Dr. Laura Hosman

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ACADEMIC POSITIONS

Arizona State University, Charter Professor 2025-2028
Associate Professor, joint appointment in the School for the Future of Innovation in Society and The Polytechnic School 2018-present
Assistant Professor, joint appointment in the School for the Future of Innovation in Society and The Polytechnic School 2016-2018
Senior Sustainability Scientist, Julie Ann Wrigley Global Institute of Sustainability 2017-present
Honors Faculty, Barrett the Honors College 2017-present

California Polytechnic State University, Assistant Professor of Ethics, Public Policy, Science & Technology (EPPST). Joint appointment in the Science, Technology, and Society (STS) Program and the Department of Political Science 2014-2016

Illinois Institute of Technology, Assistant Professor, Political Science 2009-2014
Associate Chair, Department of Social Sciences 2011-2012

University of California, Berkeley, Ciriacy-Wantrup Postdoctoral Fellow in Natural Resource Economics and Political Economy, Environmental Science, Policy & Management, Department of Natural Resources 2007-2009

University of Southern California, Postdoctoral Research Fellow, Institute for Communication Technology Management, Marshall School of Business 2006-2007

University of Southern California, Lecturer, School of Public Policy and Development 2007

THE SOLARSPELL INITIATIVE

Co-founder and Co-Director 2015-present

- Built and scaled an offline digital library and information literacy initiative operating in 17 countries.
- Reached more than 500,000 learners, educators, healthcare workers, farmers, and community members.
- Lead an interdisciplinary team of six full-time staff members and hundreds of student contributors.
- Engage thousands of ASU students in public-interest technology and hands-on experiential learning.
- Develop partnerships with ministries of education, Peace Corps, UN agencies, NGOs, universities, and community organizations.
- Raise more than $10 million in external funding to support educational access, information literacy, and community-centered technology initiatives.
- Current annual operating and project portfolio: approximately $1.3 million.

EDUCATION

University of Southern California, Ph.D., *with distinction*, Political Economy & Public Policy 2006

University of Southern California, M.A., Economics 2004

University of Amsterdam, M.A., *cum laude*, International Relations, Fulbright Scholar 2000

Wheaton College, B.A., *magna cum laude*, Political Science 1997

AWARDS, HONORS & FELLOWSHIPS

ASU **Charter Professor** – One of two faculty selected annually for a distinguished, project-based, three-year appointment recognizing contributions that advance the university's Charter through access, inclusion, excellence, and societal impact. 2025-2028

Edison Awards finalist, Cultural Impact & Education (will win Gold, Silver, or Bronze Award in April 2026). "The Oscars of Innovation," Edison awards elevates the most consequential innovations across the globe. 2026

TIME Best Inventions 2025. SolarSPELL was named to TIME's annual list of best inventions. 2025

QS (Quacarelli Symonds) Reimagine Education Awards. SolarSPELL took the **top prize**: Global Education Award Winner, out of 1656 entrants across 21 categories. QS calls these awards "The Oscars of Education" 2025

SXSW (South by Southwest) SolarSPELL Digital Libraries named "**Best in Show**" at Innovation Awards. This was the conference's top honor, as SolarSPELL was selected over all 11 categories, which each had 5 finalists, from over 400 entrants 2025

ASU President's Award for Principled Innovation. Recognizes ASU personnel who demonstrate the university's commitment to higher education through the development and execution of innovative projects, programs, initiatives, services and techniques. Solutions reflect a clear commitment to positive change while creating value for the university and the broader community. 2025

HundrED Global Collection 2026. SolarSPELL selected as one of the top 100 leading, impactful, scalable, Educational Innovations globally from among 3360 innovations reviewed. 2025-2026

OEGlobal Open Education Awards for Excellence Finalist (16 finalists out of 193 nominations) 2025

MIT-Solve TPrize Challenge Finalist (top 10 out of over 300 applications) 2020

PLuS Alliance Fellow 2020-2022

Tech4Islands Awards Finalist (top 6 out of 66 applications) FrenchTech Digital Festival Tahiti 2019

Global Humanitarian Award, IEEE Phoenix Section 2019

PLuS Alliance Prize for Education Innovation 2017

Distinguished Alumni Award, Fridley High School, Fridley MN 2016

Best Paper Award: Meheroo Jussawalla Research Paper Prize, Pacific Telecommunications Council (PTC) 36th Annual Conference 2014

Dean's Excellence Award for Teaching, College of Science and Letters (IIT) 2011

Outstanding Faculty Award, Interprofessionalization (IPRO) Program (IIT) 2011

Society for New Communications Research (SNCR) Excellence Award, Collaboration and Co-Creation, Academic Division, for Solar Powering Project in Haiti 2010

Tyler Environmental Prize Final Year Dissertation Fellowship (USC) 2005-2006

Urban and Global Interdisciplinary Ph.D. Dissertation Fellowship (USC) 2005

CIBEAR International Business Issues Dissertation Award (USC) 2004

Haynes Foundation Dissertation Fellowship (USC) 2003-2004

Urban Studies Strategic Theme Summer Fellowship (USC) 2003

Haynes Foundation Intermediate Graduate Fellowship (USC) 2002-2003

Venice International University Tuition Scholarship (VIU, Venice, Italy) 2001

Fulbright Scholarship for graduate studies in The Netherlands 1999-2000

PEER REVIEWED JOURNAL ARTICLES & CHAPTERS

Villars, E., Hosman, L., & Nova, R. (2027). Tag Smarter, Not Harder: Evaluating ChatGPT-Generated Metadata in SolarSPELL's French Library. Forthcoming at *College and Research Libraries*.

Hosman, L., & Nova, R. (2026). Cross-Cultural Collaboration in Educational Development: Co-Creating a Digital Library for Northeast Syria. *Journal of Learning for Development*, 13(2), 339–348. https://doi.org/10.56059/jl4d.v13i2.1574

Nova, R., Hosman, L., & Ghosh, D. (2026). Behavior change in educational technology adoption: Insights from a three-year case study in Lesotho. *AERA Open*, 12. https://doi.org/10.1177/23328584261448148

Hosman, L., & Nova, R. (2025). Offline solutions for agricultural extension: Integrating digital libraries into train-the-trainer programs. *Advancements in Agricultural Development*, *6*(1), 5–18. https://doi.org/10.37433/aad.v6i1.547

Farrell, L., Hosman, L., Barrett, C. B., & Nova, R. (2024). Educational continuity in emergencies: The role of offline digital libraries in under-connected communities. *Journal of Information Technology Education: Innovations in Practice, 23,* Article 14. https://doi.org/10.28945/5385

Hosman, L., Nova, R., Naji, O.A.A.M., & Alsaka, L. (2024). An overview of Arabic language Open Educational Resources (OER) for primary and secondary education and their use in offline environments. *Electronic Journal of E-Learning*, 22(9), 1-14. https://doi.org/10.34190/ejel.22.9.3616

Al-Khmisy, R., Hosman, L. & Nova, R. (2023). Curating an offline Wikipedia-for-Schools in any language: A road map. *International Journal of Emerging Technologies in Learning*. 18(21) 129-148. https://doi.org/10.3991/ijet.v18i21.44313

Ross H. M., Hosman L., Baikie B., Blau E., Simpson C.J. (2022). SolarSPELL health and education: global solutions with local impacts. *Journal of Global Health Reports*. 2022;6:e2022050. https://doi.org/10.29392/001c.38734 and here

Gómez-Zermeño, M., Alemán de la Garza, L., & Hosman, L. (2022). Uso de bibliotecas digitales solares para la enseñanza del cambio climático en comunidades rurales. *Revista Interamericana de Bibliotecología, 45*(3), e346130. https://doi.org/10.17533/udea.rib.v45n3e346130

Hosman, L., Gómez-Zermeño, M. G., & Alemán de la Garza, L. (2020). SolarSPELL Assessment: Impact of a Solar-Powered Digital Library as a Teaching-Learning Resource on Climate Change. *Sustainability*, 12, 6636, https://doi.org/10.3390/su12166636

Hosman, L., Walsh, C., Pérez Comisso, M., & Sidman, J. (2020). Building online skills in offline realities: The SolarSPELL initiative. *First Monday*, Vol. 25 No. 7, July. https://firstmonday.org/ojs/index.php/fm/article/download/10839/9559, doi: http://dx.doi.org/10.5210/fm.v25i7.10839

Hosman, L. and Pérez Comisso, M.A. (2020). How do we understand "meaningful use" of the internet? Of divides, skills and socio-technical awareness. *Journal of Information, Communication, and Ethics in Society*, 18(3), 461-479, https://doi.org/10.1108/JICES-05-2020-0055

Hosman, L., Ross, H.M., Petersen, S., Jalaghi, A., & Andrusaitis, K. (2020). Developing an Offline, Digital Library for South Sudan – The SolarSPELL Health: Nursing and Midwifery Library. *The South Sudan Medical Journal* (13)4, 153-155. Available at http://www.southsudanmedicaljournal.com/assets/files/Journals/vol_13_iss_4_nov_20/Solarspell-Final.pdf

Hosman, L., & Jacobs, G. (2018). From Active Learning to Taking Action: Incorporating Political Context into Project-Based, Interdisciplinary, International Service Learning Courses. *Journal of Political Science Education*, 14(4) 473-490. https://10.1080/15512169.2017.1419876

Hosman, L. (2018). Impatience as a Virtue: Addressing Persistent ICT-in-Education Challenges in Small Developing Countries, 169-193. In I. Lubin (Ed.), *ICT-Supported Innovations in Small Countries and Developing Regions*. Switzerland: Springer International Publishing. https://10.1007/978-3-319-67657-9_8

Hosman, L., & Armey, L.E. (2017). Taking Technology to the Field: Hardware Challenges in Developing Countries. *Information Technology for Development*, 23(4) 648-667. DOI: https://10.1080/02681102.2017.1363028

Armey, L. E. & Hosman, L. (2016). The Centrality of Electricity to ICT use in Low-Income Countries. *Telecommunications Policy*, 40(7) 617-627. DOI: https://10.1016/j.telpol.2015.08.005

Vergine, D., & Hosman, L. (2015). Designing Technology for Inclusive Growth. In Dutta, S., Geiger, T. & Lanvin, B. (Eds.) *The Global Information Technology Report 2015: ICTs for Inclusive Growth*. Geneva: World Economic Forum. Pp. 93-99. Available at http://www3.weforum.org/docs/WEF_Global_IT_Report_2015.pdf

Hosman, L. (2014). International Service-Learning Partnerships: Lessons of Successes and Challenges that Defy Simple Categorization. *Partnerships: A Journal of Service Learning and Civic Engagement,* 5(1) 24-50. Available at http://libjournal.uncg.edu/prt/article/view/725

Hosman, L. & Howard, P.N. (2014). Telecom Policy Across the Former Yugoslavia: Incentives, Challenges, and Lessons Learned. *Journal of Information Policy*, 4, 67-104. Available at http://jip.vmhost.psu.edu/ojs/index.php/jip/article/view/156/112 DOI: https://10.5325/jinfopoli.4.2014.0067

Hosman, L. & Cvetanoska, M. (2013). Teachers, Technology, & Training: Combining Theory with Macedonia's Experience. *International Journal of Education and Development using ICT*. 9(3) 28-49. Available at http://ijedict.dec.uwi.edu/viewissue.php?id=36

Hosman, L. & Baikie, B. (2013). Solar Powered Cloud Computing Datacenters. *IEEE IT Professional*, March-April, 15-21. DOI: https://10.1109/MITP.2011.116

Hosman, L., & Fife, E. (2012). The Use of Mobile Phones for Development in Africa: Top-Down-Meets-Bottom-up Partnering. *The Journal of Community Informatics*, 8(3). Available at http://ci-journal.net/index.php/ciej/article/view/560/938 DOI: https://10.15353/joci.v8i3.3032

Hosman, L. (2011). Making the Transition from Pilot to Scale: Examining Sustainability and Scalability Issues in a Public-Private Telecenter Partnership in Sri Lanka. *Information Technology for Development*, 17(3) 232-248. DOI: https://10.1080/02681102.2011.568225

Hosman, L. (2010). Policy Considerations from a Nationwide IT-in-Education Initiative: Macedonia Connects. *Journal of Information Technology and Politics*, 7(4), 369-383. DOI: https://10.1080/19331681.2010.489407

Hosman, L. (2010). Policies, Partnerships, and Pragmatism: Lessons from an ICT-in-Education Project in Rural Uganda. *Information Technology for International Development*, 6(1), 48-64. Available at http://itidjournal.org/itid/article/view/488/213

Hosman, L. (2010). A National ICT-in-Education Initiative: Macedonia Connects. In Kamel, S. (Ed.) *E-Strategies for Technological Diffusion and Adoption: National ICT Approaches for Socioeconomic Development*. Hershey, PA: IGI Global. Pp. 1-16. DOI: https://10.4018/978-1-60566-388-3.ch001

Hosman, L. (2009). Dividing the Oils: Dynamic Bargaining as Policy Formation in the Nigerian Petroleum Industry. *Review of Policy Research: The Politics and Policy of Science and Technology*, 26(5), 609-632. DOI: https://10.1111/j.1541-1338.2009.00408.x

Hosman, L. (2009). Dynamic Bargaining and the Prospects for Learning in the Petroleum Industry: The Case of Kazakhstan. *Perspectives on Global Development and Technology*, 8(1), 1-25. DOI: https://10.1163/156914909X403162

Hosman, L., Fife, E., & Armey, L. E. (2008). The Case for a Multi-Methodological, Cross-Disciplinary Approach to the Analysis of ICT Investment in the Developing World. *Information Technology for Development*, 14(4), 308-327. DOI: https://10.1002/itdj.20109

Hosman, L. & Fife, E. (2008). Improving the Prospects for Sustainable ICT Projects in the Developing World. *International Journal of Media and Cultural Politics*, 4(1), 51-70. DOI: https://doi.org/10.1386/macp.4.1.51_1

Fife, E., Hosman, L., & Pereira, F. (2008). Governmental and Cultural Factors in Broadband Adoption. In Dwivedi, Y.K., Papazafeiropoulou, A., & Choudrie, J. (Eds.) *Handbook of Research on Global Diffusion of Broadband Data Transmission: Factors Affecting the Adoption, Usage and Economics of Broadband*. Hershey, PA: IGI Global. DOI: https://10.4018/978-1-59904-851-2.ch017

Hosman, L. & Fife, E. (2007). Public Private Partnerships and the Prospects for Sustainable ICT Projects in the Developing World. *Journal of Business Systems Governance and Ethics*, 2(3), 53-66. Available at http://www.jbsge.vu.edu.au/issues/vol02N03.html DOI: https://10.15209/jbsge.v2i3.110

PEER REVIEWED (TECHNICAL) CONFERENCE PROCEEDINGS*

*In technical fields like computer science and information systems, papers in peer-reviewed conferences are accepted as **equal** in value to high-quality scholarly articles.

Linzy, K & Hosman, L. (2018). The SolarSPELL Offline Digital Library. Presented at WLIC-IFLA 2018 conference, published under creative commons in the IFLA (International Federation of Libraries Association) institutional repository, at: http://library.ifla.org/2106/

Baikie, B. & Hosman, L. (2011). Green Cloud Computing in Developing Regions: Moving Data and Processing Closer to the End User. *Proceedings of the 2011 Technical Symposium at ITU Telecom World (ITU WT)*, Geneva, Switzerland, IEEE Press, 24-28. Available at: https://core.ac.uk/download/pdf/32434072.pdf

Hosman, L. & Cvetanoska, M. (2010). Technology, Teachers, & Training: Combining Theory with Macedonia's Experience. *Proceedings of the 4th International Conference on Information and Communications Technology and Development (ICTD), London, England*. ACM Press. DOI: https://10.1145/2369220.2369238

Hosman, L. (2008). A Pilot Takes Off: Examining Sustainability and Scalability in the Context of a Sri Lankan Public Private Partnership Telecenter Project. *Proceedings of the 19th Australasian Conference on Information Systems*, Christchurch, New Zealand. Available at http://www.bsec.canterbury.ac.nz/acis2008/Papers/acis-0074-2008.pdf

Fife, E., Hosman, L., and Pereira, F. (2008). Public-Private Partnerships and Development: A New and Effective Model? *Proceedings of the 17th Biennial International Telecommunications Society Conference* in Montreal, Canada.

PEER REVIEWED WORKING PAPER PUBLICATIONS

Hosman, L. and Howard, P. N. (2010). Information Policy and Technology Diffusion: Lessons from Bosnia, Croatia, Macedonia, Montenegro, Serbia and Slovenia. World Information Access Project Working Paper #2010.1. Seattle: University of Washington. Available at http://www.wiaproject.org/index.php/publications/working-papers

Hosman, L. (2009). Creating a Culture of Use in ICT for Education and Development Projects: The Case of Macedonia Connects. The University of North Carolina, Greensboro, McDowell Research Center for Global IT Management Working Paper Series.

OTHER PUBLICATIONS & POLICY PAPERS

Hosman, L., & Orisi, A. (2022). Education for all: An initiative to bring digital learning to everyone. In UNESCO - Mahatma Gandhi Institute of Education for Peace and Sustainable Development, *#KindnessMatters: 50 inspiring stories of empathy, compassion and kindness* (pp. 128-131). Penguin Random House India Pvt Ltd.

Hosman, L., (2020). Accesso a herramientas de aprendizaje digital más importante que nunca. Sentido Común. (Opinion piece / OpEd) Published 8/15/2020. Available at: https://www.sentidocomun.com.mx/articulo-contribuidores-cs.phtml?id_contrib=1798

Hosman, L., Ross, H.M., Petersen, S., Jalaghi, A., & Andrusaitis, K. (2020). Developing an Offline, Digital Library for South Sudan – The SolarSPELL Health: Nursing and Midwifery Library. *The South Sudan Medical Journal* (13)4, 153-155. Available at http://www.southsudanmedicaljournal.com/assets/files/Journals/vol_13_iss_4_nov_20/Solarspell-Final.pdf

Hosman, L. (2014). Emerging Markets: Top ICT4D Hardware Challenges. San Francisco: Inveneo. Report commissioned by USAID and ARM, Ltd. Available at http://www.inveneo.org/wp-content/uploads/2014/07/FINALTop-ICT-Hardware-Challenges-White-Paper.pdf

Baikie, B. & Hosman, L. (2011, September). The Green Cloud: A Broadband Springboard? Appropriate Hosting Infrastructure Improves Broadband Economics. *Intermedia*, 39 (4), 39-43. Available at: https://www.iicom.org/wp-content/uploads/37_PDFsam_Intermedia-39-4_LowRes.pdf

Hosman, L. & Fife, E. (2011, May). Innovative Partnerships? Creating the Right Conditions for Mobile Growth in Africa. *Intermedia*, 39 (2), 20-25. Available at: https://www.researchgate.net/publication/304162209_The_Use_of_Mobile_Phones_for_Development_in_Africa_Top-Down-Meets-Bottom-Up_Partnering

Hosman, L. (2011, February 28). Teacher Training on ICT Cannot be a One-Time Event. Educational Technology Debate (sponsored by *info*Dev and UNESCO). Available at: https://edutechdebate.org/teacher-training/teacher-training-on-ict-cannot-be-a-one-time-event/

UN E-Government Survey 2008: From E-Government to Connected Governance. New York: United Nations Department of Economic and Social Affairs Division for Public Administration and Development Management. Senior researcher and translator: French and Dutch, with focus on African Government Web Sites. February, 2008

Los Angeles County WiFi Feasibility Report. Prepared for the Los Angeles County Board of Supervisors and the County Information Office by the Center for Telecom Management, University of Southern California. Principal Researcher. Available at lacounty.info/omd/q1_2008/cms1_086410.pdf October, 2007

California's Telecommunications Strategy: Business and Management Challenges Strategic Vision Paper. Prepared for the Chief Information Officer, State of California, by the Collaborative on E-Governance, University of Southern California. Contributing author. March, 2007

Global E-Government Readiness Report 2005: From E-Government to E-Inclusion. New York: United Nations, 2005. Senior researcher and translator: French, Italian, and Dutch. Main researcher for African Government Web Sites. December, 2005

United Nations Global E-Government Readiness Report 2004: Towards Access for Opportunity. New York: United Nations, 2004. Researcher, translator: French, Italian, and Dutch. November, 2004

ARTICLES UNDER REVIEW

Hosman, L. Climate Literacy Without Connectivity: Why Offline-First Systems Are a Missing Piece of Climate Solutions. Under review at *Swiss Journal of Business*.

FUNDING: GRANTS & GIFTS

FUNDED (AT FULL AMOUNT UNLESS OTHERWISE NOTED)

Tohono O'odham Nation. Award to support development and introduction of SolarSPELL libraries for use on school buses and within schools on the Tohono O'odham Reservation (100% of $150,000) 2026

Arizona Community Foundation (Global Education Initiative Fund). Gift to support the SolarSPELL initiative in continuing to support Conservation Agriculture training in South Sudan and continuing to support SolarSPELL Education libraries in NE Syria ($193,609) 2026

S. Rex & Joan T. Lewis Family Foundation. Gift to work with Kula Project in Rwanda to pilot training for agronomists and entrepreneurship for women coffee (100% of $64,000) 2026

Principled Innovation Grant. Award to support development of an offline digital course on Principled Innovation for use within all SolarSPELL student, intern, and volunteer trainings as well as inclusion on the SolarSPELL library for all future partner use, as well as to embed Principled Innovation into programming of multiple SolarSPELL on-campus Build Days. (sub-award from Keen Family Foundation funding to ASU. 100% of $150,000) 2026

Principled Innovation Faculty Mini-Grant, College of Global Futures, ASU. Award to support Principled Innovation-focused SolarSPELL Build Day for College of Global Futures students (100% of $12,000) 2025

Arizona Community Foundation (Reese Strategic Opportunities Fund). Gift to support community library development project in Senegal with partner Tostan (PI: $515,056) 2025-2026

Arizona Community Foundation (Global Education Initiative Fund). Gift to support the SolarSPELL initiative in launching Conservation Agriculture Training in South Sudan and continuing to build a localized SolarSPELL Agriculture Training Course for South Sudan, and for expansion of SolarSPELL Education libraries in NE Syria with the Autonomous Administration of NE Syria (PI: $279,818) 2024-2025

S. Rex & Joan T. Lewis Family Foundation. Gift to support development of Conservation Agriculture-based learning modules specific to coffee farming, and to pilot this content in Rwanda (PI: $50,000) 2024

Arizona Community Foundation (EmpowerKids South Sudan). Gift to support the SolarSPELL initiative in four main areas: Continued work on Middle East Library for NE Syria (Kurdistan) and Building SolarSPELL training course in Arabic; Launching Conservation Agriculture Training in Rwanda and Building SolarSPELL Agriculture Training Course; Continued work on Health Libraries expansion in Malawi; (PI: $350,000) 2023-2024

Krumwiede-Lewis Foundation. Gift to enable SolarSPELL team to travel to Lesotho to gather additional footage and complete work on a documentary film about the SolarSPELL initiative (PI: $16,500) 2023

S. Rex & Joan T. Lewis Family Foundation. Gift to support development of Conservation Agriculture (CA) Learning Modules and translation of modules into Kinyarwanda, working with Bridge2Rwanda to introduce the SolarSPELL Agriculture library and CA Learning Lessons to Rwandan Agricultural Extension Workers (PI: $50,000) 2023

Arizona Community Foundation (EmpowerKids South Sudan). Gift to support the SolarSPELL initiative in four main areas: Middle East Library for NE Syria (Kurdistan); Building out Conservation Agriculture Learning Modules working with Foundations for Farming; Developing Health Libraries and Training on them in Malawi; Completing of South Sudan Monitoring and Evaluation project. (PI: $225,426) 2022-2023

Google exploreCSR: 3rd year of funding from Google Research funding to host a workshop at ASU introducing undergraduates from underrepresented minority groups to graduate-level study in computer science research. Workshop focus is on doing impactful work through computer science ("computing for good") and to provide two REUs (Research Experiences for Undergraduates) in Summer 2023 (PI: $24,000) 2022-2023

TensorFlow: Add-on funding (to Google exploreCSR grant above) to support additional outreach activities focused on Tiny ML (Machine Learning) tools and software, as a hands-on activity for learning during exploreCSR workshop, to widen access to historically marginalized groups in computer science (PI: $7,000) 2023

Arizona Community Foundation (EmpowerKids South Sudan). Gift to support the SolarSPELL initiative in three main areas: further (language) localization of SolarSPELL libraries in Ethiopian refugee camp schools; monitoring and evaluation project on use and impact of SolarSPELL libraries in schools in the Juba, South Sudan area; and creation and preparation of SolarSPELL library in Arabic for pilot implementation in NE Syria. (PI: $187,167) 2021-2022

Experimental Humanities Collaborative Network (EHCN). Funding to assist with SolarSPELL Build Day and to incorporate discussion of technology and growing inequality vis-à-vis our shared future. (PI: $2,000) 2022

Vogel Family Foundation: Gift to support SolarSPELL Pilot Project in Mexico (PI: $10,000) 2022

S. Rex & Joan T. Lewis Family Foundation. Gift to support development of an Additional Language version of SolarSPELL's Offline Training Course to support Train-the-Trainer trainings locally. (PI: $50,000) 2022

UNHCR (United Nations High Commission for Refugees): Funding for pilot program to introduce SolarSPELL offline digital libraries to two refugee camps in Ethiopia. Project included: localizing the content of the SolarSPELL libraries; training teachers and teacher-trainers; creating new curriculum, teacher guides, and modules to complement LEGO Foundation's "Learning Through Play" (LtP) content on the SolarSPELL libraries and introduce this content to local refugee communities; conducting impact evaluation and reporting. (61% of $417,996) 2021-2022

Google exploreCSR: 2nd year of funding from Google Research funding to host a workshop at ASU introducing undergraduates from underrepresented minority groups to graduate-level study in computer science research. Workshop focus is on doing impactful work through computer science ("computing for good") and to provide two REUs (Research Experiences for Undergraduates) in Summer 2022 (PI: $29,000) 2021-2022

TensorFlow: Add-on funding (to Google exploreCSR grant above) to support additional outreach activities focused on Machine Learning tools and software, as a hands-on activity for learning during exploreCSR workshop, to widen access to historically marginalized groups in computer science (PI: $10,000) 2021-2022

Experimental Humanities Collaborative Network (EHCN). Funding to assist with SolarSPELL Build Day and to incorporate discussion of technology and growing inequality vis-à-vis our shared future. (PI: $2,000) 2021

Arizona Community Foundation (EmpowerKids South Sudan). Gift to support creation of Offline Training Courses to support training on the SolarSPELL Nursing and Midwifery and Biomedical Technology offline digital libraries (PI: $116,842) 2021

S. Rex & Joan T. Lewis Family Foundation. Gift to support researching and manufacturing prototype of SolarSPELL hardware with recycled plastics and to support creation of educational content (lesson plans, learning modules, etc.) focused on plastics, recycling, and sustainability to add to SolarSPELL offline educational library (PI: $50,000) 2021

EBSCO. Gift to support SolarSPELL general operations (PI: $25,000) 2021

Marshall Islands Offline Digital Libraries for Primary Schools. Project to provide SolarSPELL Offline Digital Library to remote, offline Marshall Islands schools in the Kwajalein Atoll (PI: $56,100) 2021

Arizona Community Foundation (Empower Kids South Sudan). Gift to create libraries and/or carry out SolarSPELL-related projects on: improving the SolarSPELL library user interface; creating a digital version of SolarSPELL's train-the-trainer training; and creating an agricultural library for East Africa (PI: $212,000) 2020-2021

Google exploreCSR: Google Research funding to host a workshop at ASU introducing undergraduates from underrepresented minority groups to graduate-level study in computer science research. Workshop focus is on doing impactful work through computer science (PI: $18,000) 2020-2021

Vogel Family Foundation: Gift to support SolarSPELL Refugee Camp School Libraries (PI: $10,000) 2020

MIT Tprize: Seed funding to bring SolarSPELL to Latin America (PI: $5,000) 2020

S. Rex & Joan T. Lewis Family Foundation. Gift to support SolarSPELL general operations. (PI: $50,000) 2020

Krumwiede Lewis Foundation. Gift to support SolarSPELL general operations (PI: $50,000) 2020

Arizona Community Foundation (Empower Kids South Sudan). Gift to create libraries and/or carry out SolarSPELL-related projects on: a Nursing and Midwifery Library for East Africa; Internship program for Bridge2Rwanda Scholars; a Library localized for Gambela Refugee camp schools in Ethiopia; a Sustainability Research project focused on reusing plastic waste; a digital library for Arizona Tribal areas (PI: $270,000) 2020

Global Consortium for Sustainability Outcomes (GCSO) to develop sustainability curriculum for Pacific Islands and pilot curriculum and training in Fiji (PI: 47% of $86,000) 2019-2020

Krumwiede-Lewis Foundation. Gift to enable SolarSPELL work within Arizona, both at Tonto Creek Camp and to initiate collaborative ventures with Tribal Communities (PI: $15,000) 2019

S. Rex & Joan T. Lewis Family Foundation. Gift to enable field-related activities related to sustaining, deploying and impact-measuring for SolarSPELL digital libraries project. Will also enable launching of SolarSPELL partnership with Tonto Creek Camp in Arizona, as well as travel and training in Vanuatu and Samoa. (PI: $50,000) 2019

Arizona Community Foundation (Empower Kids South Sudan). Gift to carry out SolarSPELL offline digital library pilot project at three primary schools in Kakuma Refugee Camp, to serve South Sudanese living in Kenyan refugee camp. (PI: $60,000) 2019

Global Consortium for Sustainability Outcomes Proposal Concept Development grant. Grant to carry out workshop to further develop relationship with consortium partners, and to develop a funding proposal for submission to external agency. (PI: $10,000) 2018

Arizona Community Foundation (Empower Kids South Sudan). Grant to establish Juba Girls Schools as SolarSPELL Center of Excellence in Juba, South Sudan. Enables content creation to enhance train-the-trainer model, on-site teacher training, establishment of SolarSPELL Center, and establishment of SolarSPELL student club. Supports two interns to provide ongoing training and support, locally. (PI: $180,000) 2018-2020

S. Rex & Joan T. Lewis Family Foundation. Grant to enable field-related activities related to sustaining, deploying and impact-measuring for SolarSPELL digital libraries project. Will also enable launching of SolarSPELL partnership with Camp Tonto Creek in Arizona, as well as travel and training in Vanuatu and Samoa. (PI: $50,000) 2018

Arizona Community Foundation (Empower Kids South Sudan). Grant to create East Africa version of SolarSPELL digital library, as well as to provide multiple training workshops on-site in Kigali to multiple constituents: Rwandan Board of Education, Rwandan teachers South Sudanese teachers, Peace Corps volunteers, and Bridge2Rwanda scholars. Grant also funds development of back-end/database for library, Version 1 of East Africa library, and piloting library in up to 60 schools. (PI: $240,000) 2017-2019

S. Rex & Joan T. Lewis Family Foundation. Grant to enable field-related activities related to deployment and impact-measurement for SolarSPELL digital libraries project. Will enable travel and training in Vanuatu and Samoa. (PI: $50,000) 2017

KEEN Professorship. Mini-grant to develop, implement and disseminate Entrepreneurial Mindset (EM) content within project-based course at ASU (EGR 317 Humanitarian Engineering Projects II and HON 394 Design for the Developing World II). Enabled prototyping for three project-focused teams, establishment of an Ethics Roundtable, and for multiple guest experts and judges to travel and come to the class. ($12,000) Jan – May 2017
KEEN Professorship. Received grant second time ($12,000) Aug – Dec 2017
KEEN Professorship. Received grant third time ($22,000) Jan – May 2018

CPConnect Grant (funded by Boeing), & Baker & Koob Learn By Doing Grant. SolarSPELL Project. To fund the building of SolarSPELL libraries on Cal Poly's campus and travel for students to carry out training on using the libraries in the Pacific Islands (PI: $10,000) 2016-2017

VentureWell (formerly National Collegiate Inventors and Innovators Alliance (NCIIA)) Co-Principal Investigator. Sustainable Vision Grant to promote Entrepreneurship and Innovation among Engineers Without Borders Group and Center for Entrepreneurship and Innovation on Cal Poly's campus ($10,000) 2015-2016

Center for Expressive Technologies (CET). Co-Principal Investigator. Digital Storytelling for Community Empowerment at Cal Poly and Beyond. Project to foster engaged, cross-disciplinary collaboration among three Cal Poly Science, Technology and Society (STS) faculty, while enhancing hands-on Learn-By-Doing activities for their students through documentary-style filmmaking, focused on questions of climate change and technology in society and in schools, on-location in Vanuatu and Micronesia. (Co-PI: $6,000) 2015-2016

Pacific Telecommunications Council. Principal Investigator. "Solar Powered Digital Library Kit for Remote Pacific Island Schools." To design, develop, and deploy 50 solar powered digital library kits with Peace Corps volunteers across remote, rural, Pacific Island schools. (PI: $40,000) Jan 2015-Nov-2015

Information Society Innovation Fund Asia (isif.asia). Co-team lead. "Chuuk State Solar Server Educational Hub." Design & deployment of solar-powered data center in Chuuk, FSM, to meet Department of Education's digital information needs. (Co-PI: $30,000) Dec 2013-Dec 2014

United States Agency for International Development (USAID) & ARM, Ltd. "Increasing Community Engagement Through ICT." Lead Researcher. Fixed Obligation Grant No. AID-OAA-F-13-00071 (Consultant: $40,000 of $110,000) Oct 2013-Apr 2014

Information Society Innovation Fund Asia (isif.asia). Co-team lead. "PISCES Project: Pacific Island Schools Connectivity, Education, & Solar Project—Phase II: Project Expansion." Expanding Solar Computer Labs, Connectivity, & Technical Skills Building to three additional lagoon island schools in Chuuk, FSM (PI: $30,000) 2013

Internet Society (ISOC) Community Grants Programme and Information Society Innovation Fund Asia (isif.asia). Principal Investigator. "Connecting the Chuuk Women's Council." To set up a computer lab in a Women's Center and initiate training for technology use. (PI: $8,000) 2013

Google Inc., Pacific Telecommunications Council (PTC), & Internet Society (ISOC). Principal Investigator. "PISCES Project: Pacific Island Schools Connectivity, Education, & Solar Project." Led team of 11. Designed and carried out Long Distance WiFi and Solar Powering workshop for students from across Northern Pacific islands at University of Guam. Continued work in Chuuk, installing Solar Computer Lab and establishing long-distance connectivity to Udot island in Chuuk lagoon (FSM). (PI: $85,686) 2012- 2013

IEEE Foundation. Principal Investigator: "Solar Transformation for Haitian Education," IIT Empowering Haiti. Enabled deployment of 2.4 KW Solar Powering System at Primary School in Lascahobas, Haiti. Led team of 10. (PI: $17,000) 2011- 2011

Pacific Telecommunications Council. Principal Investigator: "Regional Renewable Energy ICT Policy Assessment Study: Focus on Five Pacific Island Nations: Palau, Guam, Federated States of Micronesia, Fiji, and Vanuatu." (PI: $27,500) 2011-2013

Internet Society (ISOC) Community Grants Programme. Principal Investigator: "Connecting the Community of Lascahobas, Haiti to the Internet." Enabled solar-powered long-distance WiFi deployment to Primary School in Lascahobas, Haiti. Led team of 10. (PI: $10,000) 2011- 2012

NSF. Consultant, "Human Centered Computing: Information Access, Field Innovation, and Mobile Phone Technologies in Developing Countries," National Science Foundation award IIS-0713074, Philip N. Howard, Principal Investigator ($10,000) 2008-2010

University of North Carolina McDowell Research Center for Global IT Management Grant. Principal Investigator: Fieldwork research for *Macedonia Connects* project (PI: $5,000) 2008

Association for Information Systems (AIS)-Microsoft Unlimited Potential Grant. Principal Investigator: Research, monitoring and evaluation issues of ICT-for-development project *EasySeva* in Sri Lanka (PI: $5,000) 2007-2008

GRANTS APPROVED BUT NOT FUNDED

Department of Defense US Pacific Command (PACOM). Offline Digital Libraries: Education and Training for Disaster Preparedness, Response, and Recovery (Fiji) (PI: $376,000)

Wallis and Futuna Education Department: To localize (in French language) the SolarSPELL offline digital library for Wallis and Futuna, providing local teacher and train-the-trainer training and conducting impact evaluation (PI: $230,000)

GRANTS SUBMITTED BUT NOT FUNDED

Google Academic Research Awards. Society-centered AI. Proposal to use AI to build internet-readiness and information literacy in offline communities globally via SolarSPELL digital libraries. (PI: 100% of $100,000) Jul 2024

Estonian Development Agency, in partnership with Estonian Business School. To bring SolarSPELL Education Libraries to Botswana, working in partnership with Peace Corps and Ministry of Education, Botswana (45% of $100,000) Feb 2024

Carbon Trust: Powering Renewable Energy Opportunities (PREO) Grant. Proposal to fund localizing and introducing SolarSPELL libraries to three primary schools in Botswana, to accompany overall solar-powering of the schools. Co-applicants: dpSun (solar powering company) and Botswana International University of Science and Technology ($53,000 of $85,000) Feb 2024

USAID Development Innovation Ventures Grant (Stage 2: Test and Position for Scale). Empowering Communities in Southern Africa through Information Literacy. To build digital and information literacy, working in partnership with Peace Corps, in Education, Health, and Agriculture Sectors across 3 Sub-Saharan Countries over 3 years, utilizing the SolarSPELL offline digital library. (Principal Investigator: 75% of $1,500,000) 2024-2026

Google Research AIR (Advancing Inclusive Research): Award for research project to investigate whether AI can be used to increase representation and inclusiveness in Wikipedia for the billions around the world that remain offline, and if so, to create additional versions of Wikipedia for Schools, localized for offline SolarSPELL users globally. (Principal Investigator: 100% of $60,000) 2023-2024

The Agency Fund. Proposal to fund expansion of SolarSPELL Health library to all rural clinics across Malawi, working with the Kamuzu University of Health Sciences (KUHeS) and to study and measure the impact for nursing students. (Co-PI: 50% of $247,289) 2024-2026

ASU AI Seed Grant Challenge: Planning and Convening Grant. Harnessing AI to build libraries and information literacy skills globally: AI for SolarSPELL. ($10,000) 2023-2024

AZ Blue (Blue Cross Blue Shield of Arizona Foundation for Community and Health Advancement) Health Equity Project: Equipping Hopi patient navigators with offline digital health libraries to support cancer services. (Principal Investigator: 100% of $45,000) 2023

Conservation, Food, and Health Foundation. Introducing Conservation Agriculture in the Imvepi Refugee Camp (Uganda) with the SolarSPELL digital library. (Principal Investigator: 100% of $49,500) 2023

USAID Development Innovation Ventures Grant (Stage 2: Test and Position for Scale). To build information literacy and digital literacy, working in partnership with Peace Corps, in Education, Health, and Agriculture Sectors across 3 Sub-Saharan Countries over 3 years, utilizing the SolarSPELL offline digital library. (Principal Investigator: 100% of $1,500,000) 2023

Agency Fund Social Impact Fellowship. Program to help ambitious social innovators scale their impact. (Mentorship, 8-week intensive curriculum, + $70,000 investment) 2022

Fast Forward 2023 Startup Accelerator. Program to help tech non-profits scale up. (Mentorship + $25,000) 2022

USAID Development Innovation Ventures Grant (Stage 3: Transitioning to Scale). To build information literacy and digital literacy, working in partnership with Peace Corps, in Education, Health, and Agriculture Sectors across 13 Sub-Saharan Countries over 3 years, utilizing the SolarSPELL offline digital library. (PI: $15,000,000) 2021

Google Research AIR (Advancing Inclusive Research): Award to utilize qualitative methodology to explore students' perceptions of inclusion, collaboration, effectiveness, and overall value of participating in exploreCSR "computing for good" workshop aimed at exposing historically underrepresented students to computer science research (workshop itself *was* sponsored by Google Research). (Principal Investigator: 100% of $60,000) 2021-2022

Google.org Impact Prize: Funds to develop Thunderbird for Good's Women's Entrepreneurship program: Dreambuilder, for use offline on the SolarSPELL digital library in Peru, Chile, and Arizona. Advanced to third round of competition, representing top 1% of applicants. (Principal Investigator: 50% of $2,000,000) 2021-2022

Fred Morgan Kirby Impact Prize for Scaling Social Impact: Prize to support most innovative start-up, for operational costs (PI: 100% of 100,000) 2021

NetGain Small Grants Fund to advance the public interest in the digital age. Proposal to build information literacy and digital literacy skills offline, in order to counter misinformation globally, particularly among new and nascent internet users. (PI: 100% of 100,000) 2021

ASU Women and Philanthropy Grant Application: Grant to fund finalization and in-field implementation of SolarSPELL Biomedical Engineering Technician (BMET) Library. Advanced to Final Round, top 10% of proposals. Principal Investigator: 100% of $99,000) 2020-2021

Creating Hope In Conflict: A Humanitarian Grand Challenge: Grant to fund finalization and in-field implementation of SolarSPELL Nursing and Midwifery Library in South Sudan (PI: 100% of $185,000) 2020-2021

Audacious Project: Proposal to fund scaling SolarSPELL to 30 Peace Corps countries in 5 years. (PI: 100% of $15.5 Million) Application made it to Round 2, representing top 10% of proposals. 2020

Fast Forward 2021 Startup Accelerator. Program to help tech non-profits scale up. (Mentorship + $25,000) 2020

Fred Morgan Kirby Impact Prize for Scaling Social Impact: Prize to support most innovative start-up, for operational costs (PI: 100% of 100,000) 2020

Women in Global Health: Build Back Better Start-Up Innovation Challenge, entered Nursing and Midwifery Library (PI: 100% of $10,000) 2020

Alfred P. Sloan Foundation: Proposal to fund Wikipedia for Schools Development and maintenance at ASU, for use by SolarSPELL and all other offline digital libraries (PI, 100% of $490,000) 2020

Creating Hope in Conflict: A Humanitarian Grand Challenge (Pooled funding from Grand Challenges Canada, USAID, UKAID, and Netherlands Foreign Affairs) SolarSPELL Health Libraries in South Sudan. Principal Investigator: 100% of $250,000 CAD) 2019

Coca Cola Foundation. Submitted proposal (through ASUF) for Coca Cola to fund SolarSPELL general operating costs (Principal Investigator: 100% of $216,230) 2019

New Earth Foundation. Submitted proposal (through ASUF) for general operating costs (Principal Investigator: 100% of $100,000) 2019

DRK Foundation. Submitted proposal (through ASUF) for funding consideration. 2019

Expo Dubai 2020. Submitted proposal (through ASUF) for share of $100,000 2019

Misk Grand Challenge to bring SolarSPELL to Palau and pilot new teaching methods (100% of $100,000) 2018

Global Consortium for Sustainability Outcomes (GCSO) to develop sustainability curriculum for Pacific Islands and pilot curriculum and training in Fiji (90% of $125,000) 2018

Cisco Global Problem Solver Challenge (Indeterminate Amount) 2018

Sign On for Literacy Challenge (100% of $25,000 prize) 2018

Vodafone Wireless Innovation Project: ASU Education for Humanity: Powered by SolarSPELL (60% of $300,000) 2018

NSF ChangeMakers: Cultivating Culturally Engaged Undergraduate Chief Science Officers. Co-Pi. (2.5% of $1.8M) 2017

LYRASIS Catalyst Grant. DL4D: Digital Libraries for Development (100% of $40,000) 2017

Pacific Telecommunications Council. SolarSPELL: Expanding Access to Libraries at Remote Pacific Island Schools with the Solar Powered Educational Learning Library. (100% of 40,000) 2015-2016

Elsevier Grant for Innovative Libraries in Developing Countries. Modernizing, Digitizing, and Opening a regional library at the EFACAP school in Lascahobas, Haiti. (100% of $37,000) 2012

GRANTS SUBMITTED AND UNDER REVIEW

PUBLIC OUTREACH & ENGAGEMENT:
SOLARSPELL-RELATED WORKSHOPS, TRAININGS, TRAVEL, BUILD DAYS, & DEMO'S

SolarSPELL Training for Peace Corps Volunteers & Local Teachers. Organized and led 1-3 day trainings for Peace Corps Volunteers and their local counterparts on how to use, introduce, and teach with and about the SolarSPELL Digital Library. **Brought ASU Students, faculty, and staff along on nearly all of these trips. On ALL such trips I lined up the required funding, additional educational activities, political, public & private sector meetings, & partnered work with local cultural organizations to maximize students' experience.**

Lesotho	Jan 2023, Jul 2023, Jan 2024, Jul 2024, Jan 2025
Fiji	Jul 2018, Aug 2019
Comoros	Sep 2018, Sep 2019, Dec 2019
Rwanda	Mar 2018
Tonga	Dec 2016
Samoa	Jun 2016, May 2017, May 2018
Federated States of Micronesia (FSM)	Aug 2015, July 2016, July 2017
Vanuatu	Sep 2015, May 2017, Oct 2018, Oct 2019, Sep 2025
Chuuk State, FSM (for Chuuk DoE Employees)	Nov 2015

Other In-Person SolarSPELL Train-the-Trainer Trainings. Organized and led 1-5 day trainings on how to use, introduce, and teach others to use the SolarSPELL offline digital library. **Brought ASU Students, faculty, and staff along on most all of these trips. On ALL such trips, lined up additional educational activities, political, public & private sector meetings, & partnered work with local organizations.**

South Sudan — Jul 2025
Training on the Conservation Agriculture Library, In-Field Partner: Empower Farmers South Sudan

Hopi Reservation, Arizona — Feb 2024
Training on the Health Library, In-Field Partner: Hopi Women's Cancer Support Services Center

Rwanda — Jan 2024, Nov 2024
Training on the Agriculture Library, In-Field Partner: Bridge2Rwanda Farms

Malawi — Jan 2023
Training on Health Library, In-Field Partners: Peace Corps Response & Kamuzu University of Health Sciences

Zimbabwe — Mar 2023
Training on Agriculture Library, In-Field Partner: Foundations for Farming

NE Syria – Training held on ASU Tempe Campus — Apr 2023
Training on the Arabic- and Kurdish-language Education Library. In-field Partner: Autonomous Administration of NE Syria (AANES).

SolarSPELL Remote Train-the-Trainer Training. Full day Zoom-enabled trainings with Teacher-Trainers on how to use, introduce, and train others to use and teach with the SolarSPELL offline

digital library. Long-term training scaffolded and supported through SolarSPELL Offline Training Course (OTC).

Gambella & Assosa Refugee Camps, Ethiopia Mar 2022
Kwajalein, Marshall Islands Aug 2021

SolarSPELL Appropriate Technology Workshop and Build Day. Organized and led on-campus workshop for students (and university faculty, staff, community members, and high-school students in some cases) on appropriate technologies for the developing world, *and* built SolarSPELL digital libraries. Building digital libraries refers to assembling the hardware of the SolarSPELL library. (Content, software, and all other aspects of library development are ongoing.)

Arizona State University, Tempe Campus: Built 64 libraries Feb 2026
Arizona State University, Tempe Campus: Built 50 libraries Oct 2024
Arizona State University, Poly Campus: Built 50 libraries (during COVID) Nov 2021
Arizona State University, Poly Campus: Built 60 libraries (during COVID) Mar 2021
Arizona State University, Poly Campus: Built 25 libraries (during COVID) Nov 2020
Arizona State University, Poly Campus: Built 75 libraries. Nov 2019
ASU, EMERGE Festival, Tempe Campus: Built 60 libraries. Mar 2019
Arizona State University, Poly Campus: Built 75 libraries. Nov 2018
Arizona State University, Poly Campus: Built 75 libraries. Apr 2018
Arizona State University, Poly Campus: Built 150 libraries. Included high school students from ASU Prep, and East African Bridge2Rwanda Scholars Oct 2017
Arizona State University, Poly Campus: Built 100 libraries. Included high school students from ASU Prep Apr 2017
Cal Poly, San Luis Obispo, CA: Built 50 libraries. Included students from classes in multiple disciplines, ranging from Liberal Arts and Engineering Studies, to English. May 2016
Cal Poly, San Luis Obispo, CA: Built 30 libraries. Co-Hosted with Engineers Without Borders and VentureWell Oct 2015

Information Literacy and/or Content Curation Workshop

Data-Thon (entering data collected from library users in-field). Invitees were CITI-trained ASU students Mar 2024
Content Curate-a-thon. Invitees included Phoenix-area Returned Peace Corps Volunteers and ASU Peace Corps Prep students Nov 2023
Content Curate-a-thon for Spanish language collection and Agriculture collection. Invitees included Phoenix-area Returned Peace Corps Volunteers and ASU Peace Corps Prep students Nov 2022
Content Curate-a-thon Workshop for Arabic Language SolarSPELL library with graduate students from King Abdullah University of Science and Technology (Saudi Arabia) visiting the ASU Tempe Campus June 2022
Curate-a-thon workshop for Upward Bound high school students, Tempe June 2022
Content Curate-a-thon Workshop for Arabic Language SolarSPELL library (ASU Tempe Campus) Mar 2022
Content Curation workshop for graduate students at Tec de Monterrey (MX) for curation of Spanish Language Library/Mexico Version (held digitally, over Zoom) Nov 2020
One-day content curation workshop for ASU students, Tempe Campus (25 attendees) Mar 2018

Organized and executed a team-led 5-day training workshop for 37 Bridge2Rwanda scholars on information literacy, scholarly research, copyright, and content curation. Included three ASU students and two ASU librarians.
Kabuga, Rwanda Jan 2018

SolarSPELL & Library Lab Training
Organized and executed a team-led 2-day training workshop for teachers and administrators from Rwanda and South Sudan on both the SolarSPELL digital library and the Solar Library Lab. Included three ASU students and two ASU librarians.
Kabuga, Rwanda Jan 2018

On-Site SolarSPELL Build Days
Port Vila, Vanuatu (Featured Hands-On Activity at National ICT Days Conference) May 2017
Nuku'alofa, Tonga Dec 2016

Organized Digital Storytelling Workshop for Creating Content for SolarSPELL
One-Day Workshop at University of Auckland, Auckland NZ Dec 2016
Two-Day Workshop with Further Arts Cultural Organization, Nuku'alofa Tonga Dec 2016

Organized & Co-Hosted Hackathon for SolarSPELL with Hayden Libraries. Workshop with 14 librarians, five students, and one faculty member, to fast-track Content, Curation, and Back-End Website work on SolarSPELL Oct 2016

Public Outreach: Booths or Display Tables with Demos & Live Explanations
--mEducation Alliance STEMtastic Adventures with Young Pacific Leaders Symposium. Nadi, Fiji Sep 2025
--UNESCO & African Union Continental Conference: Transforming Science, Technology, Engineering and Mathematics. STEM Experience Hub during entire 3-day event. Addis Ababa, Ethiopia Nov 2024
--Conscious Marketplace. Demonstration table at Opportunity Collaboration Conference, Ixtapa, Mexico Oct 2024
--Digital Festival Tahiti. Demonstrated SolarSPELL library (in French) during entire 3-day conference showcasing technology designed to improve quality of life in remote island settings. Papeete, French Polynesia Oct 2019
--International Conference of Indigenous Archives, Libraries, and Museums (ATALM). Temecula, California. Demonstration booth during entire 3-day conference. Oct 2019
--US Global Leadership Coalition Expo, Phoenix AZ May 2019
--Sustainability Solutions Celebration, Phoenix AZ Feb 2018
--Pacific Education Conference, Palau Jul 2017
--Society for International Development, Washington DC May 2017, May 2019
--ASU Night of the Open Door (with School of Earth and Space Exploration) Feb 2017
--ASU Day at the Capitol Feb 2017, Feb 2018
--Learning Innovation Showcase, ASU Jan 2017
--Innovation Showcase, ASU (Poly Campus) Dec 2016, Apr 2017, Dec 2017
--Homecoming, ASU Oct 2016
--President's Forum, ASU Oct 2016
--Engineering Expo, Cal Poly May 2015
--Booth at San Luis Obispo Maker Faire, Cal Poly April 2015

CONFERENCE PRESENTATIONS & INVITED TALKS

SolarSPELL Health: Information Access for Healthcare Workers and Communities Around the World. Invited talk at Network of the National Library of Medicine (NNLM) Region 4 webinar series. Co-presented with Dr. Heather Ross. (Online) Jan 2026

SolarSPELL Offline Digital Libraries: Access Anywhere, Learn Everywhere. Invited talk at Arizona Library Association Professional Development Webinar Series. (Online) Nov 2025

Solar-Powered Offline AI for Rural Schools. 2025 Marvelous Education Alliance General Symposium, Washington DC (in-person). Oct 2025

SolarSPELL digital libraries: Taking an offline-first approach to keep students safe, focused, and STEMmed up! mEducation Alliance STEMtastic Adventures with Young Pacific Leaders, Nadi, Fiji (in-person). Sep 2025

Keeping students safe, focused, and STEM-med up: offline digital libraries to meet this immediate need. mEducation Alliance STEMtastic Adventures Africa conference, Nairobi, Kenya (in-person). Jul 2025

Offline AI?? Why, yes! How principled innovation can reach billions. FOLC (Future of Learning Community) Fest. Tempe, Arizona State University (in-person). Feb 2025

Equitable access to STEM resources: How can we provide quality, culturally and linguistically relevant STEM resources that align with 21st-century workforce needs? Focus on the SolarSPELL Initiative. UNESCO & African Union Continental Conference: Transforming Science, Technology, Engineering and Mathematics. Addis Ababa, Ethiopia (in-person). Nov 2024

SolarSPELL Health Libraries for Nursing Students in Malawi. Oral abstract presentation at Consortium of Universities for Global Health Annual Conference. Only 63 abstracts out of 1030 submitted were selected for oral presentation. Los Angeles (in person). Available at: https://www.youtube.com/watch?v=CnJPDeWEUxw Mar 2024

Impact of SolarSPELL health library access and use for nursing students in Malawi: Preliminary findings. Invited presentation to National Human Resources for Health Technical Working Group meeting, Lilongwe, Malawi (in-person). Jul 2023

Project-based classes for real-world impact: SolarSPELL and SolarSENSE. Rwanda Institute for Conservation Agriculture (RICA). Nyamata, Rwanda (in-person). Nov 2022

SolarSPELL Agriculture Library and promoting economic inclusion for smallholder farmers. Digital Innovations for Economic Inclusion Working Group, BRAC and socialprotection.org Online presentation to global audience. Oct 2022

SolarSPELL: foundational skills, eco-friendly solutions, and innovative education technology. Invited talk at USAID Education Sector Council. Online presentation to global audience. July 2022

New Technology in Developing Countries. Invited talk at Global Challenges of Media in the 21st Century Series. University of Southern California Global Policy Institute. Online. Mar 2022

Islands in the Stream: Providing access and building information skills in and among the diverse island societies of the Pacific. IEEE Summit on Communications Futures. Virtual and Honolulu, HI Jan 2022

SolarSPELL: Invited talk at CARE International Digital Innovation Talks. Online talk to Global CARE staff. Jan 2022

Gender and climate security in the Indo-Pacific: How an offline digital library can inform, build skills, and empower. Invited talk at the Pacific Forum: Advancing Women, Peace and Security in the Indo-Pacific. Online talk to online and in-person audience. Sep 2021

SolarSPELL case study illustrating scaling up. Invited talk at USAID-organized Session: Development, Research, and Innovation Virtual Engagements (DRIVE) Convening. Online talk. Sep 2021

Digitally empowering women and girls, offline. WomenConnect Challenge Steps to Success Series: Getting to the Core of Actionable Ways to Close the Gender Digital Divide: Cultivating Women's Confidence. USAID Digital Frontiers Series talk. May 2021

The SolarSPELL Initiative at ASU and involving Lifelong Learners. Invited talk (in-person) at Mirabella at ASU Apr 2021

La historia y los antecedentes de SolarSPELL (talk given in Spanish) Líderes del mañana conferencia, Instituto Tecnológico y de Estudios Superiores de Monterrey Mar 2021

When Offline is Better than Online / "Offline Internet." Invited talk at GigLibraries.net "Libraries in Recovery" series. Feb 2021

Overview of the SolarSPELL initiative. Invited talk at the Department of Education, Instituto Tecnológico y de Estudios Superiores de Monterrey Sep 2020

Technology and Innovation Policy for Island Sustainability: SolarSPELL in Fiji. Invited talk at University of Delaware, Biden School of Public Policy and Administration's Island Policy Lab & United Nations Universities Consortium of Small Island States Sep 2020

Inventing the SolarSPELL Digital Library: Focus on Challenges, Successes, and Sustainability. Rob & Melani Walton Sustainability Solutions Service Virtual Sustainability Solutions Innovation Fair. Jun 2020

L'Inclusion Numérique au Service de l'Insertion Professionnelle. Invited talk (in French) at Digital Festival Tahiti. Papeete, Tahiti Oct 2019

SolarSPELL: A Localized Digital Library for Remote, Offline Locations. International Conference of Indigenous Archives, Libraries, and Museums. Temecula, CA Oct 2019

Why Offline Technologies Provide Better Solutions for Global Education. Engineering for Change (E4C) Invited webinar Jul 2019

We Don't Need No Stinkin' Internet: Taking it All Offline with SolarSPELL. CSPO 20th Anniversary Conference: Rightful Place of Science-2. Tempe, AZ May 2019

Improving Educational Opportunities in Remote Pacific Islands—The SolarSPELL Digital Library. Invited talk at the East-West Center, Honolulu, HI Mar 2019

The Offline Internet and SolarSPELL. Invited talk at the UNESCO Panel at World Library and Information Congress 84th IFLA General Conference and Assembly, Kuala Lumpur, Malaysia Aug 2018

The SolarSPELL Offline Digital Library. Paper presented at World Library and Information Congress 84th IFLA General Conference and Assembly, Kuala Lumpur, Malaysia Aug 2018

The SolarSPELL digital library in the Pacific Islands. Invited talk at the University of the South Pacific, Suva, Fiji Dec 2017

Innovating and Iterating From the Field: Technology for Development. Invited talk at the Consortium for Science, Policy, & Outcomes (CSPO) at Arizona State University, Washington DC Nov 2017

SolarSPELL: The Solar Powered Educational Learning Library.
Invited talk at Peace Corps Headquarters, Washington DC Nov 2017
Invited talk at State Department Cultural Affairs Unit, Washington DC Nov 2017

Challenges and Opportunities for Delivering and Using Open Access Materials in Developing Countries. 14th Annual Open Education Conference, Anaheim, CA Oct 2017

Developing Partner Networks to Improve Library Access. 30th Pacific Education Conference, Koror, Palau Jul 2017

Social Development and the SolarSPELL Digital Library. Invited Keynote Speaker at ICT Days Conference and Invited Panel Member at co-located Internet Governance Forum Meeting. Port Vila, Vanuatu May, 2017

SolarSPELL: Solar Powered Educational Learning Library. Invited talk to MIT Program on Information Science speaker series. Cambridge, MA April 2017

Innovating and Iterating from the Field: The SolarSPELL Digital Library. Engineering Education Seminar Series, ASU Polytechnic School March 2017

Becoming a Practitioner-Scholar in Technology for Development. School for the Future of Innovation in Society (SFIS) Winter School, ASU, Mesa AZ Jan 2017

Addressing ICT-in-Education Challenges in Small Island Developing States (SIDS) as a Practitioner-Scholar. Pacific Telecommunications Council (PTC) 39th Annual Conference, Honolulu HI Jan 2017

Quick Impact: An on-campus "Build Day" to increase awareness, involvement, and understanding at the global level. VentureWell OPEN 20th Annual conference, Portland OR March 2016

Design, Develop, Deploy: The Solar Digital Library Kit for Remote Pacific Island Schools. Inaugural Making and Doing Initiative. 4S: Society for Social Studies of Science Annual Conference, Denver, CO Nov 2015

PTC Community Grants Recipient Project Presentation: Solar Powered Digital Library Kits for Remote Pacific Island Schools. Pacific Telecommunications Council (PTC) 38th Annual Conference, Honolulu HI Jan 2016

SPELL: Solar Powered Educational Learning Library.
Open Lecture, Department of Computer and Systems Science, Stockholm Univ. Dec 2015
Cal Poly Kennedy Library Open Access Week 2015 Oct 2015
Cal Poly Political Science Alumni Board Meeting, Cal Poly San Luis Obispo Oct 2015
OLPC SF Community Meeting, San Francisco State University, San Francisco May 2015

Solar Powered Digital Library Kits for Pacific Island Schools: Hands-On Projects in Liberal Arts and Engineering Studies (LAES). More Than a Motto Conference, Poster Presentation. Cal Poly San Luis Obispo, CA May 2015

Internet for Development: Interactions, Practices, and Lessons Learned. Spider Consultation for the World Bank Development Report 2016, Stockholm, Sweden April 2015

Building Boundary-less Classrooms: A View From the Field—Our Micronesia Experience. Invited Keynote, Asian Development Bank ICT Week Conference, Manila, Philippines Oct 2014

Emerging Markets: Top ICT4D Hardware Challenges.
Invited Webinar. Engineering for Change (E4C). Sept 2014
IEEE Global Humanitarian Technology Conference, San Jose, CA Oct 2014
Pacific Telecommunications Council (PTC) 37th Annual Conference, Honolulu HI Jan 2015

Student Creativity Inside and Outside the Classroom. Invited Panel. Infrastructures of Creativity Conference, Illinois Institute of Technology, Chicago IL April 2014

Technology in Developing World Schools: Promising Possibilities and Potential Pitfalls. Invited Talk, California Polytechnic State University, San Luis Obispo, CA April 2014

The Centrality of Electricity for Internet Uptake in Low-Income Countries. (Received Best Paper Award: Meheroo Jussawalla Research Paper Prize) Pacific Telecommunications Conference (PTC) 36th Annual Conference, Honolulu, HI Jan 2014
IEEE Global Humanitarian Technology Conference, San Jose, CA Oct 2014

Teaching ICTD – Courses, Degree Programs, and Student Field Experiences
PISCES Pacific Offline Educational Server Demo
Both: ICTD 2013 conference, Cape Town, South Africa Dec 2013

Towards a greater openness – Opportunities and challenges in open online education and open access. E-Learning Africa Conference. Windhoek, Namibia May 2013

Energy as an overlooked driver of ICT uptake across the developing world. International Studies Association 54th Annual Conference, San Francisco, CA April 2013

PISCES Project: Pacific Island Schools, Connectivity, Education and Solar Project.
Invited presentation at University of California, Berkeley, Center for Information Technology research in the Interest of Society (CITRIS) Research Exchange March 2013

Pacific Telecommunications Council (PTC) 35th Annual Conference, Honolulu Jan 2013
PacINET 10th Annual Conference of the Pacific Islands Internet Society.
University of the South Pacific, Suva, Fiji Nov 2012

Technology for Development: Why Training Trumps Technology. School of International Relations Director's Lecture on Theory and Practice, University of Southern California Sept 2012

PISCES Project: Pacific Island Schools, Connectivity, Education and Solar Project.
Invited presentation at Asian Development Bank Sept 2012
Invited presentation at University of Colorado, Boulder, ATLAS Institute Sept 2012
Invited presentation to Engineers Without Borders (EWB), IIT Sept 2012

Learning Lessons and Moving Forward in ICT4D Projects. Spider ICT4D Seminar Series, University of Stockholm, Sweden May 2012

Beyond the Design: Why the Ecosystem Matters in Technology for the Developing World. Invited Talk at the Institute of Design, Illinois Institute of Technology, Chicago IL April 2012

The Prospects for Small Island Nations to Participate in the Global Information Age. International Studies Association 53rd Annual Conference, San Diego, CA April 2012

Sharing Best Practices in ICTD Academic Programs. Fifth International Conference on Information and Communication Technologies and Development (ICTD2012), Atlanta, GA March 2012

Utilizing Classroom Experiences to Make an Impact in the Developing World: IIT Empowering Haiti. National Collegiate Inventors and Innovators Association 16th Annual Open 2012 Conference, San Francisco, CA March 2012

The Energy Issue is Slowing ICT4D in Island Nations – Will Renewable Energy be the Answer?
Public-Private Partnership Innovations in ICT: The Role for Academia.
Renewable Regional Energy, ICT, & Data Center Assessment: Focus on Five Pacific Island Nations
All: Pacific Telecommunications Council (PTC) 34th Annual Conference, Honolulu Jan 2012

Green Cloud Computing in Developing Regions: Moving Data and Processing Closer to the End User. International Telecommunications Union (ITU) WT11 Technical Symposium at ITU Telecom World, Geneva, Switzerland Oct 2011

It Takes a Team: Solar PV Installation in Lascahobas, Haiti to Power 400+ OLPC XO Laptops. OLPC Community Summit, San Francisco Oct 2011

One Laptop per Child, Solar-Based WiFi and the Complexities of ICT for Development. Invited Talk: ATLAS Institute, University of Colorado at Boulder. Available at: http://www.youtube.com/watch?v=YDSB0HlhDwA Sept 2011

Technology for Development: No Shortcuts. TedxIIT conference. Available at: http://www.youtube.com/watch?v=FKTxUA0bCl0 March 2011

Solar-Powered Data Centers for Developing Regions: Small is Beautiful, Again. Pacific Telecommunications Council (PTC) 33rd Annual Conference, Honolulu, HI Jan 2011

One Laptop per Child (OLPC) in Papua New Guinea and the Solomon Islands: Reflections from Four Site Visits. PTC 33rd Annual Conference, Honolulu, HI Jan 2011

Technology, Teachers, and Training: Combining Theory with Macedonia's Experience. Information & Communications Technology for Development (ICTD), London, England Dec 2010

Creating a Culture of use in ICT in Education and Development Projects: The Case of Macedonia. American Political Science Association Annual Meeting, Washington DC Sept 2010

Implementing Policy at the Classroom Level: Macedonia's Experience with Training Teachers for a Technology-in-the-Schools Initiative. Midwest Political Science Association Annual Meeting, Chicago, IL April 2010

Technology, Teachers, and Training: Combining Theory with Macedonia's Experience. International Studies Association 51st Annual Conference, New Orleans, LA Feb 2010

Public-Private Partnership Innovations in ICT. Pacific Telecommunications Council 32nd Annual Conference, Honolulu, HI Jan 2010

Promoting Social Inclusion through a Nation-Wide ICT-in-Education Endeavor: Macedonia Connects. Global Information Technology Management Association (GITMA) 10th Annual Conference, Mexico City, Mexico June 2009

Creating a Culture of Use in ICT in Education and Development Projects: The Case of Macedonia. International Studies Association 50th Annual Convention, New York, NY Feb 2009

Partnerships for Scalable and Sustainable ICT Projects: *EasySeva* in Sri Lanka. International Studies Association 50th Annual Convention, New York, NY Feb 2009

Development Issues: Models of ICT Sustainability in Developing Regions. Measurement Considerations and Success Factors. Pacific Telecommunications Council (PTC) 31st Annual Conference, Honolulu, HI Jan 2009

Technology in the Classroom in Conditions of Infrastructural and Capacity Constraints: Lessons from Uganda. ICIS 2008 1st Annual SIG GLOBDEV Workshop, Paris, France Dec 2008

Promoting Social Inclusion through a Nation-Wide ICT-in-Education Endeavor: The Case of *Macedonia Connects*. ICIS 2008 Pre-Conference Development Workshop, Paris, France Dec 2008

A Pilot Takes Off: Examining Sustainability and Scalability in the Context of a Sri Lankan Public-Private Partnership Telecenter Project ACIS 2008 Christchurch, New Zealand Dec 2008

Promoting Mobile Phone Usage in Africa: the promise and challenge of Top-down/Bottom up Innovation. Global Mobility Roundtable 2008, Auckland, New Zealand Nov 2008

Exploring the Role of Partnerships for Sustainable ICT Projects to Bridge the Digital Divide. American Political Science Association 104th Annual Meeting, Boston, MA Aug 2008

The Challenges Facing African Governments in Adopting ICT Technologies: Focus on Education. International Studies Association 49th Annual Convention, San Francisco, CA March 2008

Corporate Social Responsibility and Bridging the Digital Divide: Can Divergent Motivations Peacefully Co-Exist? ISA-West Annual Convention, San Francisco, CA Sept 2007

Africa and the M-Society: The Challenges of Joining the Information Revolution. 6th Annual Global Mobility Roundtable, Los Angeles, CA June 2007

Public Private Partnerships and the Prospects for Sustainable ICT projects in the Developing World. 6th Annual Global Mobility Roundtable, Los Angeles, CA June 2007

Bridging the Digital Divide: Human Empowerment or Increased Market Share? How Can Divergent Motivations Peacefully Co-Exist? International Studies Association 48th Annual Convention, Chicago, IL March 2007

Jumpstarting Growth with ICTs in the Developing World: Is Corporate Involvement the Panacea? 34th Research Conference on Communication, Information and Internet Policy, Telecommunication Policy Research Conference (TPRC). George Mason University, Arlington, VA Sept 2006

Dividing the Oils: Corporations, Petroleum-Rich States, the Development Interface and the Prospects for Learning. The 2005 Middle East & Central Asia Politics, Economics and Society Conference, Salt Lake City, Utah Oct 2005

Power Without Responsibility: Problematizing the Role of Multinational Corporations in Situations of Political Violence. Women in International Security (WIIS) Symposium, Washington D.C.

RESEARCH EXPERIENCE

In-Country Fieldwork Research/Project Experience:
Comoros, Croatia, Ethiopia, Federated States of Micronesia, Fiji, Guam, Haiti, Lesotho, Macedonia, Malawi, Palau, Papua New Guinea, Rwanda, Samoa, Senegal, Slovenia, Solomon Islands, South Sudan, Sri Lanka, Tonga, Vanuatu, Zimbabwe

Visiting Research Associate, Institute for Communication Technology Management, Marshall School of Business, University of Southern California (USC) 2007-2014

Research Assistant, Pacific Council on International Policy, USC 2006

Research Assistant, USC, Center for Telecommunications Management 2005-2006

Research Fellow, Translator, (French, Dutch, Italian,) UN Global E-Government Survey and Report, United Nations Center for E-Government, USC 2004-2008
July 2004

TEACHING EXPERIENCE

Courses Taught, Arizona State University:

Seeking Truth: Misinformation Humanities Lab Course for Grad and Undergrad students (FIS/HUL/COM 494 & GTD/ISS/HUL 598) Sp 2026

Hands-on, team-based course dedicated to addressing global challenges related to mis- and disinformation in places with low- or no-connectivity. Students develop skills in cross-cultural communication, empathy, media literacy, and community engagement to enable real-world interventions. Students work in teams to develop their own project based on shared interests and research. Projects may involve collaborations with initiatives like ASU's SolarSPELL, where teams create educational tools for communities with limited literacy, internet access, or tech skills.

Global Technology and Development (GTD 501) F 2017, F 2021, F 2022 (in-person)
F 2018, F 2019 (online)
F 2020 (ASU Sync—in-person & online)
F 2024 (in-person)

Introductory grad-level course introduces students to field and study of global development with an emphasis on the variable of technology and the major role it has played in the history of human development. Provides background and context for examining role of technology from economic and social development perspectives. Core course in M.S. in Global Technology and Development program.

Humanitarian Engineering Projects I (EGR 307) [Standalone course] F 2020, F 2021, F 2022

Team-based, challenge-focused lab course enabling students to work on a real-world project taking place "in the field." Course focuses on multiple projects.

Humanitarian Engineering Projects II (EGR 317) [Standalone course] Sp 2021, Sp 2022, Sp 2023

Team-based, challenge-focused lab course enabling students to work on a real-world project taking place "in the field." Course focused on one project.

Engineering in Global Development (EGR 598) F 2021, Sp 2022, F 2022, Sp 2023

Team-based, challenge-focused lab course enabling students to work on a real-world project taking place "in the field." Course focuses on multiple projects. Graduate students are expected to serve as team leaders on teams that include undergrads.
Project based course focused on TinyML (tiny machine learning), a form of offline artificial intelligence (AI), for use on in-field solar powered soil sensors, to give actionable, real-time feedback to farmers on the status of their soil, all offline. F 2024, Sp 2025, Fa 2025, Sp 2026

Innovation in Action (FIS 494/GTD 598/HSD 598) F 2019

Course offered multiple opportunities: graduate students had opportunity to mentor undergraduate teams in Humanitarian Engineering Course/GlobalRESOLVE course, or could choose individual or grad-level team project to which to continue.

Humanitarian Engineering Projects I or II (EGR 307 or 317) & GlobalResolve: Design for the Developing World Projects II (HON 394) [Combined Engineering & Honors Course]
Sp 2017, Sp 2018, Sp 2019
F 2018, F 2019

Team-based, challenge-focused / project-based lab course enabling students to work on a real-world project taking place "in the field." Multiple projects ran simultaneously; students chose one. Each project featured one mentor who met with teams on weekly basis. Lead instructor coordinated all teams and mentors. All students were given opportunity to travel to field to implement their work.

Technology & Society (FIS 201) F 2016

Why we get the technologies that we do, and who decides. What innovation is, and why some innovations succeed while others fail. How technology affects society, and vice-versa. Core course in Future of Innovation in Society undergraduate program.

Courses Mentored, not for teaching credit, Arizona State University

Learning Sciences Proseminar (LSE 591) F 2023

This course offered a project-based, team-based approach to teaching and learning. It is the required seminar course for both first- and second-year master's students enrolled in the Learning Sciences Master's program in the Mary Lou Fulton Teacher's College. In Fall 2023, SolarSPELL was the "client" for all five student teams, and each focused on a different aspect of the SolarSPELL initiative as their real-world project. Met regularly with students for office hours, question-and-answer time, presentations, and class.

Innovation in Action (GTD 598) Su 2020, Su 2021, Su 2022

This course offers hands on experience building and curating content for SolarSPELL, a digital library that is being implemented around the world, providing access to information for resource-constrained communities that lack internet access. There will be a theoretical and conceptual underpinning as well that connects access to information to education, socioeconomic development, and to the Sustainable Development Goals. With some reading material and written assignments, most of the course will focus on localized, culturally relevant content creation and class discussions. Students specifically focused on curating content for offline Wikipedia for Schools.

Innovation Space/Innovation Space Studio (ENT 494/GRA 494/IND 494/SOS 494) Sp 2020

Focused, single semester immersion course for students to experience a transdisciplinary team environment and become a leader of innovation in terms of skills and mindset. Multidisciplinary team-based class with industrial design, visual communication design, engineering, business, and sustainability majors. SolarSPELL was one of two featured projects.

Humanitarian Engineering Projects I or II (EGR 307 or 317) & GlobalResolve: Design for the Developing World Projects II (HON 394) [Combined Engineering & Honors Course]

Sp 2020
F 2016, F 2017

Team-based, challenge-focused / project-based lab course enabling students to work on a real-world project taking place "in the field." Multiple projects ran simultaneously; students chose one. Each project featured one mentor who met with teams on weekly basis. Lead instructor coordinated all teams and mentors. All students were given opportunity to travel to field to implement their work.

Courses Taught, California Polytechnic State University:

Technology & Public Policy (POLS 451) F 2014, F 2015

Research Design (POLS 359) F 2014, W 2015, S 2015, F 2015, S 2016

Regulatory & Economic Policy (POLS 550) W 2015, W 2016

Global Synthesis in Liberal Arts and Engineering Studies (LAES 411) S 2015, W 2016

SPELL Solar Digital Library.
Multidisciplinary team-based, project-based course focused on designing, developing, and deploying an offline solar-powered digital library for remote, rural Pacific Island schools without electricity or connectivity. Also built website loaded with open-access educational content specifically curated for the Pacific Islands. Project website: http://solarspell.org/ Library's open-access content website (mirror of

offline version): http://pacificschoolserver.org/ Partnered with US Peace Corps in Vanuatu and Federated States of Micronesia for training and deployment of first 50 libraries.

Advanced Project-Based Learning in Science, Technology, and Society (ISLA 456) S 2016

Courses Taught, **Illinois Institute of Technology**:

Technology for International Development Fall 2012, 2013

Examines the use of Information and Communication Technologies (ICTs) vis-à-vis global development efforts from a multidisciplinary social sciences perspective.

Fieldwork Methods Spring 2013, 2014

Real-World, Hands-on, Project-Based Qualitative Methods class open to all majors at IIT. In Spring 2014 students developed a baseline, mobile-phone friendly survey for evaluating schools' readiness to receive computers/technology. Used open-access data collection tool ODK Collect. Local partners in Micronesia implemented survey and collected data. In Spring 2013 students worked with partners in Chuuk, Federated States of Micronesia and developed (solar-powered) server pre-loaded with educational content for schools with computers but no Internet connectivity. Server content customized for Micronesia, while web-based interface allows for bring-your-own-device usability.

Entrepreneurial Interprofessionalization (EnPRO) Project Spring 2012

Solar-Powered-Computer-Lab-in-a-Box.
Multidisciplinary team-based, project-based course focused on designing and bringing to market an innovative product: a Solar-Computer-Lab-in-a-Box: an all-in-one, turnkey, simplified direct current (DC)-only solution that includes 6 Intel Classmate laptops, Solar panels, charge controller, a WiFi Router, and comes pre-wired, in packaging that becomes the furniture/table for the lab. Class functions as a start-up and performs market research, creates website and utilizes social media, attracts sponsors and partners, writes a business plan, designs and builds product prototype, and deploys it in first developing world implementation. http://www.solarcubed.org/

InterProfessional (IPRO) Project Fall 2010, Spring 2011, Fall 2011

Improving the Primary Educational Experience in Haiti.
Multidisciplinary team-based, project-based course focused on designing and deploying a replicable solar-powering solution for primary schools in Haiti. Led three team trips to Haiti, of which the first was a site survey visit (1/11). On the second trip (8/11), our team installed a 2.4 KW DC-only solar powering system at a primary school to charge up to 500 donated laptops, with funding from an IEEE Foundation grant. On the third trip (12/11), our team set up solar powered Internet connectivity and WiFi across the primary school campus, with funding from Internet Society Community Grant.

International Relations Fall 2009, 2010, 2011 2013, Spring 2013

Global Political Economy Spring 2010, 2011, 2014, Fall 2012

Promise and Problems of Science and Technology Policy Spring 2010

Comparative Politics Fall 2009

Global Political Economy in Paris (taking advantage of numerous site visits and guest speakers from relevant organizations and institutions in the city) Summer 2010

Courses Taught, **University of Southern California**:

Quantitative Analysis II (Econometrics course at Graduate Level), USC School of Policy, Planning and Development. Lecturer. Spring 2007

Teaching Assistant, Los Angeles and the American Dream, Department of Geography Fall 2004

Teaching Assistant, Introduction to International Relations, School of IR Spring 2002

STUDENT AND STAFF MENTORING (SOLARSPELL)

SolarSPELL Full Time Staff

Marisa Arancibia hired as full time Digital Librarian May 2025-present
Cassie Barrett hired as full time Student Engagement Coordinator August 2023-present
Abigail Johnson (ASU MS Sustainability Solutions 2020) hired as full time Communications Specialist Jan 2023 – present
Jacob Shaeffer (ASU BS Computer Science 2017) hired as full time Web Developer Jan 2023 – present
Rachel Nova (ASU Learning Sciences MA grad 2022) hired as full-time Project Manager Sep 2022 – present
Sara Jordan (ASU BA grad 2016) hired as full-time library specialist: Sep 2018 – Jul 2024
Courtney Finkbeiner hired as full-time Student Engagement Coordinator May 2020 – May 2023
Coreen Walsh hired as full-time Project Manager Mar 2020 – Sep 2022
Zeinab Serhan (ASU GTD MS grad 2020) hired as full-time Information Technology Advisor July 2020 – Aug 2022
Stephanie Petersen (ASU M.Ed. grad 2012, ASU BA grad 2007) hired as full-time Project Manager Mar 2020 – Apr 2022
Jude Schroder (ASU BA grad 2020) hired as part-time Videographer July 2020 – Jun 2021
Katarina Thorlin (ASU BA grad 2016) hired as full-time Library Specialist June 2020 – Mar 2021
Chloe Scott (ASU BA grad 2018) full-time intern Jan – May 2018; hired as full-time management intern: July 2018 – Mar 2020
Kristen Linzy (ASU GTD MS grad 2017, ASU BA grad 2015) hired as full time Project Coordinator: April 2018 – Dec 2019

Coverdell Fellows / Returned Peace Corps Volunteers / Master's Students Serving as Interns on SolarSPELL Initiative

Brenna Wojtysiak (ASU Thunderbird MS 2027) Cultural Content Curation team Intern, Spring 2026
Spencer Danzig (ASU Global Technology and Development MS 2027) Monitoring and Evaluation Intern, Qualitative team, Fall 2025, Spring 2026
Ryan Watling (ASU Global Technology and Development MS 2025), Monitoring and Evaluation Intern, Qualitative team, Fall 2023, Spring 2024, Fall 2024, Spring 2025
Jennifer Ayala (ASU Learning Science MA 2024), Library Curation, Fall 2022, Spring 2023
Paye Kialain (ASU Management of Technology MS Tech 2024), Library Curation, Fall 2022. Monitoring and Evaluation Intern Quantitative and Qualitative teams Spring 2023-Fall 2023. Full time M&E Intern Summer 2023.
Libbie Farrell (ASU Global Technology and Development MS 2023), Monitoring and Evaluation Intern, Fall 2021-Spring 2022; FT Summer 2022; Fall 2022-Spring 2023

Allison Hoops (ASU Global Technology and Development MS 2023), PT Monitoring and Evaluation Intern, Fall 2021-Spring 2022; FT Summer 2022; Fall 2022-Spring 2023
Mariner Cheney (ASU WP Carey Business Administration MBA 2023), Monitoring and Evaluation Planning and Mapping, Fall 2021-Spring 2022; Fall 2022-Spring 2023
Colby Howell (ASU Environmental and Resource Management MS 2022) Agricultural Library Content Curation Team Lead, Spring 2021-Spring 2022
Elizabeth (Liz) Wolfe (ASU WP Carey Business Administration MBA 2023), Monitoring and Evaluation Planning and Mapping, Fall 2021
Brooke Bettis (ASU WP Carey Business Administration MBA 2022), In-Field Training and Offline Training Course Creation, Fall 2020-Spring 2021
Jared Sidman (ASU Global Technology & Development MS 2021) In-Field Training and Offline Training Course Creation, Fall 2021-Spring 2021

SolarSPELL Student Interns

Please note: Nearly all of the interns listed below are engaged on a for-credit, 3-credit, semester-long basis with the SolarSPELL initiative. Though I mentor, oversee, and supervise their activity, I do not earn teaching credit for doing so. I would estimate that overseeing this many students, on this many different experiential, hands-on projects, all from various disciplines, would equal several classes in terms of effort level.

Fall 2025

Aarna Patel (ASU Biomedical Engineering undergrad 2028) STEM content curation team: Fall 2025
Abby Lascuola (ASU Media Arts and Sciences undergrad 2026) Graphic Design team: Fall 2025
Ajua Franklin (Rwanda Polytechnic University undergrad) Agriculture Content Curation Team: Fall 2025
Alexa Perry (ASU Doctoral Nursing Program 2027) Health Content Curation team: Fall 2025
Alexander Santiago (ASU Computer Science undergrad 2029) Music Team: Fall 2025
Alisa Squires (ASU Doctoral Nursing Program + PhD program 2027) Health Content Curation Team: Fall 2025
Ana Tapia (ASU Forensic Psychology undergrad 2026) Spanish Library Content Curation team: Fall 2025
Andrew Sepulveda (ASU Graphic Design undergrad 2026) Financial Literacy Digital Training Course: Fall 2025
Ange Théonastine Ashimwe (ASU Master's of Global Technology and Development 2026) Rwanda Education content curation intern: Fall 2025
Anshul Paradkar (ASU Computer Science undergrad 2028) Wikipedia for Schools team: Fall 2025
Anusri Vurity (ASU Computer Science undergrad 2027) STEM content curation team: Fall 2025
Avy Chung (ASU Computer Science undergrad 2028) Wikipedia for Schools team: Fall 2025
Bate Tabenyang Alain (ASU Master's of Global Technology and Development 2026) Agricultural content curation intern: Fall 2025
Bhavana Reddy Pasula (ASU Masters of Data Science 2026) STEM content curation team: Fall 2025
Brittany Baikie (UW Madison Cancer Biology Phd Student 2028) Health Library Content Curation: Fall 2025
Caitlin Clark (ASU Sustainability undergrad 2027) STEM content curation team: Fall 2025
Cheyenne Barron (ASU Masters of Global Health 2025) Cultural Content Curation team: Fall 2025
Chinmayee Ganthakoru (ASU Masters of Electrical Engineering 2026) ESP32 micro charge controller hardware team: Fall 2025
Christian Armanti (ASU Global Technology and Development Master's 2025) Music team: Fall 2025
Daniel Burnett (Louisiana State University Masters of Library and Information Science 2026) STEM Content Curation team: Fall 2025
Dara Woodley (ASU Doctor of Nursing Practice 2030) Health Library Content Curation team: Fall 2025

Debopriyo Ghosh (Los Angeles Valley College undergrad 2026) Qualitative data team: Fall 2025
Eamon Challinor (University of Washington-Tacoma 2026) STEM Content Curation intern: Fall 2025
Effie Amondi Agero (ASU Masters of Global Technology and Development 2026) Agriculture library content curation team: Fall 2025
Elizabeth Kanjorski (ASU Physics undergrad 2027) STEM content curation team: Fall 2025
Elvine Umutoniwase (Rwanda Institute for Conservation Agriculture undergrad) Agriculture content curation intern: Fall 2025
Emily Villars (University of Wisconsin-Milwaukee MLIS program 2025) French content curation team: Fall 2025
Fatima Al Jaberi (University of Southern Mississippi MLIS program 2027) MLIS and Arabic content team: Fall 2025
Gabby Dicang (ASU Neuroscience & English Literature Undergrad 2026) Health library content curation team: Fall 2025
Gaurav Singh (ASU Masters of User Experience 2025) UI/UX team: Fall 2025
Hallee Limes (Ohio Wesleyan University Anthropology undergrad 2024) Cultural content curation team: Fall 2025
Helen Sun (ASU Masters of Clean Energy Systems 2026) Quantitative Data Analysis team: Fall 2025
Herald Semala (ASU Computer Science undergrad 2026) ESP32 micro charge controller hardware team: Fall 2025
Israel Zaldivar (ASU Masters of Global Health 2026) Qualitative Data team: Fall 2025
Jasmine Singh (ASU Masters of Sustainability 2026) STEM content curation team: Fall 2025
Jean Claude Dukuzumuremyi (Rwanda Institute for Conservation Agriculture undergrad) Agriculture content curation team: Fall 2025
Jennifer Rincon (ASU Masters of Global Health 2025) Spanish language content curation team: Fall 2025
Jessica Janssen (ASU Doctoral Nursing Program 2028) Health Library Content Curation: Fall 2025
Jiya Bedi (ASU Computer Science undergrad 2028) STEM content curation team: Fall 2025
Joceline Claudio (ASU Business Tourism undergrad 2028) Spanish language content curation team: Fall 2025
Juliette Uncovsky (ASU Masters of Sustainability 2026) French language content curation team: Fall 2025
Jusreen Kaur (ASU Molecular Sciences and Biotechnology undergrad 2027) Health Library Content Curation team: Fall 2025
Justin Rosenthal (Wesleyan University Archeology undergrad 2025) Cultural Content Curaiton team: Fall 2025
Kadeeja Zumreen (ASU Data Science undergrad 2025) Quantitative Data Analysis Team: Fall 2025
Kristal Stewart (ASU Computer Science undergrad 2029) Rust software development team: Fall 2025
London Auster (ASU DNP 2026) Health Library Content Curation Team: Fall 2025
Lorelai Hale (ASU Medical Studies undergrad 2026) Health Library Content Curation Team: Fall 2025
Majd Salti (ASU Software Engineering undergrad 2024) Rust software development team: Fall 2025
Megan Santos (ASU Biological Sciences undergrad 2023) Agriculture Library Content Curation team: Fall 2025
Nada Madkour (Alexandria University Graduate School of Medicine 2024) Arabic Library Content Curation Team: Fall 2025
Naif Lohani (ASU Computer Science undergrad 2026) Rust Software Development Team: Fall 2025
Nameera Islam (ASU Global Studies and Economics undergrad 2028) Cultural Content Curation team: Fall 2025
Namtso Norbu (Lake Forest College New Media Art and Design undergrad 2026) Graphic Design team: Fall 2025
Natali Giron Terrazas (ASU Mathematics undergrad 2026) Spanish Library content curation team: Fall 2025

Norah Bowers (ASU Neuroscience and French undergrad 2028) French Library content curation team: Fall 2025
Novelyn Dejongoy (Agusan del Sur State College of Agriculture and Technology Agricultural and Biosystems Engineering undergrad 2027) Agriculture library content curation team: Fall 2025
Renee Rule (ASU Staff) French language content curation team: Fall 2025
Riddhima Sharma (ASU Computer Science undergrad 2028) Wikipedia for Schools team: Fall 2025
Samiha Sahraoui (ASU Masters of Biomedical Diagnostics 2024) Arabic Library Content Curation team: Fall 2025
Sankshay Macha (ASU Masters of Biomedical Science 2026) Offline course development team: Fall 2025
Sarah Sahraoui (Higher School of Management and Digital Economy, Algeria, Masters of Digital Finance and Banking Management 2026) Arabic Library Content Curation team: Fall 2025
Sean Anthony (ASU Masters of User Experience 2025) User Experience team: Fall 2025
Shaela Patel (ASU Conservation Biology undergrad 2026) STEM content curation team: Fall 2025
Spencer Danzig (ASU Masters of Global Technology and Development 2026) Qualitative Data team: Fall 2025
Sri Gowri Harini Pasumarti (ASU Masters of User Experience 2025) Design team intern (UI/UX): Fall 2025
Suhaib Siddiqui (ASU Computer Science undergrad 2026) Arabic Library content curation team: Fall 2025
Vick Wang (ASU Mechanical Engineering undergrad 2028) Wikipedia for Schools team: Fall 2025
Yousra Rouchdi (ASU Masters of User Experience 2025) UI/UX team: Fall 2025
Yuktha Veeranki (ASU User Experience Masters 2025) Web Design intern Fall 2024
Yvette Niyonkuru (ASU Masters in Global Technology and Development 2026) Rwanda Educational content team: Fall 2025

Summer 2025
Ajua Franklin (Rwanda Polytechnic University undergrad) Agriculture Content Curation Team: Summer 2025
Alexa Perry (ASU Doctoral Nursing Program 2027) Health Content Curation team: Summer 2025
Alisa Squires (ASU Doctoral Nursing Program + PhD program 2027) Health Content Curation Intern: Summer 2025
Amandeep Kaur (University of Washington-Tacoma Business Administration undergrad 2026) Culture Content Curation team: Summer 2025
Amy Gaffney (ASU Business Data undergrad 2024) Quantitative Data Analysis team: Summer 2025
Avantika Tiwari (ASU Data Science Analytics and Engineering Masters 2026) Software development team: Summer 2025
Ayah Mohammed (Georgetown University International History undergrad 2024) Arabic Library team: Summer 2025
Bhavana Reddy Pasula (ASU Masters of Data Science 2026) STEM content curation team: Summer 2025
Brittany Baikie (UW Madison Cancer Biology Phd Student 2028) Health Library Content Curation: Summer 2025
Caitlin Clark (ASU Sustainability undergrad 2027) STEM content curation team: Summer 2025
Danielle Villarosa (ASU Biochemistry undergrad 2025) Agriculture Library Metadata Content Curation team: Summer 2025
Debopriyo Ghosh (Los Angeles Valley College undergrad 2026) Qualitative data team: Summer 2025
Dusty Stripe (ASU Doctor of Nursing Practice 2025) Health Library Content Curation: Summer 2025
Eamon Challinor (University of Washington-Tacoma 2026) STEM Content Curation intern: Summer 2025

Elsia Rodriguez (ASU Environmental Engineering undergrad 2026) STEM Content Curation intern: Summer 2025
Elvine Umutoniwase (Rwanda Institute for Conservation Agriculture undergrad) Agriculture content curation intern: Summer 2025
Emily Villars (University of Wisconsin-Milwaukee MLIS program 2025) French content curation team: Summer 2025
Fatima Al Jaberi (University of Southern Mississippi MLIS program 2027) MLIS and Arabic content team: Summer 2025
Gabby Dicang (ASU Neuroscience & English Literature Undergrad 2026) Metadata & content curation intern: Summer 2025
Georgia Ines Namuth (Columbia University Hispanic Studies undergrad 2026) Spanish language content curation team: Summer 2025
Israel Zaldivar (ASU Masters of Global Health 2026) French language content curation team: Summer 2025
Jasmine Singh (ASU Masters of Sustainability 2026) STEM content curation team: Summer 2025
Jennifer Rincon (ASU Masters of Global Health 2025) Spanish language content curation team: Summer 2025
Jiya Bedi (ASU Computer Science undergrad 2028) STEM content curation team: Summer 2025
Joceline Claudio (ASU Business Tourism undergrad 2028) Spanish language content curation team: Summer 2025
Juan Vidaurrazaga (ASU Computer Science undergrad 2027) Rust software development team: Summer 2025
Juliette Uncovsky (ASU Masters of Sustainability 2026) French language content curation team: Summer 2025
Kadeeja Zumreen (ASU Data Science undergrad 2025) Quantitative Data Analysis Team: Summer 2025
Kristal Stewart (ASU Computer Science undergrad 2029) Rust software development team: Summer 2025
London Auster (ASU DNP 2026) Health Library Content Curation Team: Summer 2025
Lorelai Hale (ASU Medical Studies undergrad 2026) Health Library Content Curation Team: Summer 2025
Majd Salti (ASU Software Engineering undergrad 2024) Rust software development team: Summer 2025
Manuelito Bagasina (ASU Data Science undergrad 2025) Quantitative Data Analysis Team: Summer 2025
Marie Cynthia Abijuru Kamikazi (Carnegie Mellon University Rwanda Information Technology undergrad 2024) Agriculture content curation team: Summer 2025
Megan Santos (ASU Conservation and Ecology undergrad 2023) Agriculture Library Content Curation team: Summer 2025
Milagros Velez (Lake Forest College New Media Art and Design 2026) Graphic Design Intern: Summer 2025
Nameera Islam (ASU Global Studies and Economics undergrad 2028) Cultural Content Curation team: Summer 2025
Neha Datta (University of Nottingham Medicine undergrad 2025) Health and Crisis Response: Library Content Curation Spring 2025
Renee Rule (ASU Staff) French language content curation team: Summer 2025
Samiha Sahraoui (ASU Masters of Biomedical Diagnostics 2024) Arabic Library Content Curation team: Summer 2025
Sarah Dababneh (University of Michigan Masters of Library and Information Science 2026) Arabic Library Content Curation team: Summer 2025
Sarah Sahraoui (Higher School of Management and Digital Economy, Algeria, Masters of Digital Finance and Banking Management 2026) Arabic Library Content Curation team: Summer 2025

Shaela Patel (ASU Conservation Biology undergrad 2026) STEM content curation team: Summer 2025
Sivaram Jawahar (ASU Information Technology Master's 2025) Quantitative Data team: Summer 2025
Victoria Opoku (ASU Sustainability undergrad 2028) Agriculture Library Content Curation: Summer 2025
Yuktha Veeranki (ASU User Experience Masters 2025) Web Design intern Fall 2024

Spring 2025
Abdullah Atu (ASU Mechanical Engineering undergrad 2026) Arabic Library team: Spring 2025
Alexa Perry (ASU Doctoral Nursing Program 2027) Health Content Curation team: Spring 2025
Alisa Squires (ASU Doctoral Nursing Program + PhD program 2027) Health Content Curation Intern: Spring 2025
Amy Gaffney (ASU Business Data undergrad 2024) Quantitative Data Analysis team: Spring 2025
Arjun Agarwal (ASU Data Science undergrad 2025) Quantitative Data Analysis team: Spring 2025
Asvin Sharma (ASU Biochemistry & International Letters and Cultures undergrad 2027) Health Content Curation Intern: Spring 2025
Ayah Mohammed (Georgetown University International History undergrad 2024) Arabic Library team: Spring 2025
Brittany Baikie (UW Madison Cancer Biology Phd Student 2028) Health Library Content Curation: Spring 2025
Christian Armanti (ASU Global Technology and Development Master's 2025) Music team: Spring 2025
Danielle Villarosa (ASU Biochemistry undergrad 2025) Agriculture Library Metadata Content Curation team: Spring 2025
Debopriyo Ghosh (Los Angeles Valley College undergrad 2026) Agriculture Library Metadata Content Curation team: Spring 2025
Deeksha Sunethra Rai (ASU User Experience Master's 2024) User Experience, website design and development: Spring 2025
Erin Cafagna (ASU Doctoral Nursing Program 2025) Health Content Curation: Spring 2025
Gabby Dicang (ASU Neuroscience & English Literature Undergrad 2026) Metadata & content curation intern: Spring 2025
Gia Quintero (ASU Doctoral Nursing Program 2027) Health Content Curation: Spring 2025
Jean Claude Izabayo (ASU Global Technology and Development Master's 2026) Entrepreneurship course creation: Spring 2025
Jessica Janssen (ASU Doctoral Nursing Program 2028) Health Library Content Curation: Spring 2025
Joanna Schlinkert (ASU Learning Design Master's 2025) Learning Design Course Development: Spring 2025
Josiah Rogers (ASU Graphic Design Master's 2024) Graphic Design Intern: Spring 2025
Kadeeja Zumreen (ASU Data Science undergrad 2025) Quantitative Data Analysis: Spring 2025
Karen Busch (ASU Mirabella resident) Qualitative Data team: spring 2025
Lindsey Collins (ASU DNP 2028) Health Library Content Curation: Spring 2025
London Auster (ASU DNP 2026) Health Library Content Curation: Spring 2025
Madison Harris (ASU Sustainability Master's 2025) Wikipedia for Schools team: Spring 2025
Mary Smith (ASU Sustainability undergrad 2027) Content Curation team: Spring 2025
Melina Hersom (ASU Global Health Master's 2024) Gender Equity Content Curation: Spring 2025
Milagros Velez (Lake Forest College New Media Art and Design 2026) Graphic Design Intern: Spring 2025
Molly Schultz (ASU Molecular Bioscience undergrad 2025) Wikipedia for Schools team: Spring 2025
Neha Datta (University of Nottingham Medicine undergrad 2025) Health and Crisis Response: Library Content Curation Spring 2025
Nelson Flores (ASU Doctoral Nursing Program 2025) Health Library Content Curation: Spring 2025

Ryan Watling (ASU Global Technology and Development Master's 2025) Qualitative Data team: Spring 2025
Shaela Patel (ASU Conservation Biology undergrad 2027) Wikipedia for Schools team: Spring 2025
Shannon Aston (ASU DNP 2027) Health Library Content Curation: Spring 2025
Sivaram Jawahar (ASU Information Technology Master's 2025) Quantitative Data team: Spring 2025
Tatum Albertson (ASU DNP 2026) Health Library Content Curation: Spring 2025
Thembelihle Shongwe (ASU IT – Security Master's 2025) AI integration researcher: Spring 2025
Victoria Opoku (ASU Sustainability undergrad 2028) Agriculture Library Content Curation: Spring 2025

Fall 2024
Abdullah Atu (ASU Mechanical Engineering undergrad 2026) Arabic Library team Fall 2024
Alisa Squires (ASU Doctoral Nursing Program + PhD program 2027) Health Content Curation Intern Fall 2024
Anya Kannan (ASU Global Studies + Entrepreneurship undergrad 2027) Gender Equity Content Curation Intern Fall 2024
Arjun Agarwal (ASU Data Science undergrad 2025) Quantitative Data Analysis team Fall 2024
Aruna Shanmuganathan (ASU Information Technology Master's 2025) Digital Library Management Team Fall 2024
Asvin Sharma (ASU Biochemistry & International Letters and Cultures undergrad 2027) Wikipedia for Schools team intern Fall 2024
Brenna Bonnel (ASU Learning Design and Technologies Master's 2024) Instructional Design Intern for capstone Fall 2024
Brittany Baikie (UW Madison Cancer Biology Phd Student 2028) Health Library Content Curation Fall 2024
Danielle Villarosa (ASU Biochemistry undergrad 2025) Agriculture Library Metadata Content Curation team Fall 2024
Debopriyo Ghosh (Los Angeles Valley College undergrad 2026) Agriculture Library Metadata Content Curation team Fall 2024
Deeksha Sunethra Rai (ASU User Experience Master's 2024) User Experience intern Fall 2024
Erin Cafagna (ASU Doctoral Nursing Program 2025) Health Content Curation Fall 2024
Gabby Dicang (ASU Neuroscience & English Literature Undergrad 2026) Metadata & content curation intern Fall 2024
Gia Quintero (ASU Doctoral Nursing Program 2027) Health Content Curation Fall 2024
Greta Spanier (ASU Business/Global Politics & History undergrad 2027) Wikipedia for Schools intern Fall 2024
Jamiyyah Black (ASU Medical Studies undergrad 2024) Health Library Content Curation Fall 2024
Jessica Janssen (ASU Doctoral Nursing Program 2028) Health Library Content Curation Fall 2024
Julia Miller (ASU Global Health Master's 2024) Health Library Content Curation Fall 2024
Jusreen Kaur (ASU Molecular Sciences and Biotechnology undergrad 2027) Health Library Content Curation Fall 2024
Karen Busch (ASU Mirabella resident) Qualitative Data team Fall 2024
Lorelai Hale (ASU Medical Studies undergrad 2026) Health Library Content Curation Fall 2024
Majd Salti (ASU Software Engineering undergrad 2024) Arabic Library team, metadata specialist Fall 2024
Matthew Ortiz (ASU Global Health Master's 2024) Health Library Content Curation Fall 2024
Matthew Schlagel (ASU Data Analytics undergrad 2024) Quantitative data team Fall 2024
Melina Hersom (ASU Global Health Master's 2024) Gender Equity Content Curation team Fall 2024
Neha Datta (University of Nottingham Medicine studies undergrad 2025) Health Library Content Curation Fall 2024
Nelson Flores (ASU Doctoral Nursing Program 2025) Health Library Content Curation Fall 2024

Ryan Watling (ASU Global Technology and Development Master's 2025) Qualitative Data team Fall 2024
Sakshi Naik (ASU Management of Technology Master's 2024) Data Analytics Intern Fall 2024
Samantha Lewis (University of Maryland Master's of Library and Information Science 2025) MLIS team Fall 2024
Sandra Martinez (University of Washington MLIS 2026) MLIS team Fall 2024
Sathwik Alasyam (ASU Computer Science undergrad 2025) Software Development team Fall 2024
Shannon Aston (ASU DNP 2027) Health Library Content Curation Fall 2024
Sina Muckenfuss (University of North Carolina Greensboro MLIS 2024) MLIS team Fall 2024
Sky Dragushan (University of Victoria Art History undergrad 2026) Content Curation Fall 2024
Taryn Wilson (ASU Aerospace Engineering undergrad 2024) Qualitative data special projects (transcription) Fall 2024
Tatum Albertson (ASU DNP 2026) Health Library Content Curation Fall 2024
Thembelihle Shongwe (ASU IT – Security Master's 2025) AI integration researcher Fall 2024
Tristan Fogarty (ASU Sustainable Food Systems undergrad Fall 2024) Agriculture Library Content Curation Fall 2024
Yuktha Veeranki (ASU User Experience Masters 2025) Web Design intern Fall 2024

Summer 2024
Abhijit Girish (ASU Computer Science undergrad 2025) Software Engineering intern Summer 2024
Alisa Squires (ASU Doctor of Nursing Practice 2027) Content Curation Intern, Health Team, Summer 2024
Alyssa Erthum (Yale University Psychology & Education Undergrad 2026) Content Curation Intern, Health team, Summer 2024
Arjun Agrawal (ASU Data Science Undergrad 2025) Quantitative Data Intern, Summer 2024
Aruna Arumugam Shanmuganathan (ASU Information Technology MS 2025) Digital Library Management System Intern, Summer 2024
Brandon Le (ASU Industrial Design Undergrad 2025) Design intern, Summer 2024
Casey Gipson (University of Arizona MLIS Master's 2024) Metadata intern, Summer 2024
Deeksha Sunethra Rai (ASU User Experience MS 2024) User Experience Intern, Summer 2024
Dusty Stripe (ASU Masters of Global Health 2025) Health Content Curation Team Summer 2024
Fimyo Viuviane Ouattara (ASU Biological Sciences 2024) Health Content Curation Team Summer 2024
Greta Spanier (ASU Business (Global Politics – WPC) Undergrad 2024) Wikipedia for Schools Intern Summer 2024
Hannah Shulski (University of Washington MLIS Master's 2025) Metadata team Summer 2024
Jackie Nguyen Thanh Long Pham (ASU Electrical Engineering Undergrad 2027) Content Curation Intern Summer 2024
Julia Miller (ASU Global Health 2024) Content Curation Team – Health team Summer 2024
Kaili Duane (University of Washington Public Health Master's 2024) Metadata team Summer 2024
Karen Busch (Mirabella resident) Qualitative Data team Summer 2024
Lorelai Hale (ASU Medical Studies undergrad 2025) Health Content Curation Team Summer 2024
Majd Salti (ASU Computer Science Undergrad 2024) Arabic Content Curation & Metadata team Summer 2024
Matthew Schlagel (ASU Business Data Analytics undergrad 2024) Qualitative Data Analysis team Summer 2024
Melissa Runnels (University of Washington MLIS Master's 2025) MLIS & Metadata Team Summer 2024
Shaela Patel (ASU Conservation Biology Undergrad 2027) Agriculture Content Curation Team Summer 2024
Sina Muckenfuss (UNC Greensboro MLIS Master's 2024) MLIS & Metadata Team Summer 2024

Taliyah Martin (ASU Doctor of Nursing Practice 2024) Content Curation Health Team Summer 2024
Tatum Albertson (ASU Nursing 2026) Content Curation Health Team Summer 2024
Yuktha Veeranki (ASU User Experience Master's 2025) User Experience Intern Summer 2024

Spring 2024
Abhijit Girish (ASU Computer Science undergrad 2025) Software Engineering intern Spring 2024
Alexandria Mitchell (University of Arizona MLIS Master's 2024) Digital Collections Specialist Intern Spring 2024
Arjun Agrawal (ASU Data Science undergrad 2025) Data Analyst Intern Spring 2024
Brandon Le (ASU Industrial Design undergrad 2024) Industrial Design intern Spring 2024
Casey Gipson (University of Arizona MLIS Master's 2024) Digital Collections Metadata Specialist Intern Spring 2024
Deeksha Sunethra Rai (ASU Human Computer Interaction Master's 2024) UI/UX Graphic Design Intern Spring 2024
John Nguyen (ASU Software Engineering undergrad 2024) software engineering intern Spring 2024
Julia Miller (ASU Global Health Master's 2024) Gender Equity Content curation team Spring 2024
Lauren Fink (ASU Graphic Design undergrad 2024) Design icons and assets intern Spring 2024
Mak Jones (University of Arizona MLIS Master's 2024) Digital Collections Metadata Specialist Intern Spring 2024
Matthew Schlagel (ASU W.P.Carey Business Analytics undergrad 2024) Data Analytics team intern Spring 2024
Niloofar Sahimi (Pasadena City College Environmental Science undergrad 2027) Library Metadata Developer Spring 2024
Saharsh Goenka (ASU Computer Science undergrad 2025) Software Development Intern Spring 2024
Sophia Zuo (Parsons The School of Design Communication Design undergrad 2024) Graphic Design intern Spring 2024
Thomasina (Sina) Muckenfuss (University of North Carolina Greensboro MLIS Master's 2024) Digital Library Metadata Specialist team Spring 2024
Zian Mahfuz (Florida State University Public Health undergrad 2024) Library collection intern Spring 2024
Hannah Johnson (University of Maryland Environmental Science undergrad 2025) Agriculture Content Curation intern Spring 2024
Fimiyo Viviane Ouattara (ASU Biology Science undergrad 2025) Health content curation intern Spring 2024
Alexandra Gianakopolous (University of Illinois MLIS Master's 2024) Digital Collections Specialist Intern Spring 2024
Hannah Shulski (University of Washington MLIS Master's 2024) Library Metadata developer intern Spring 2024
Kaili Duane (University of Washington MLIS Master's 2024) Health Library Metadata developer intern Spring 2024
Sameera Shaik (ASU Global Health Master's 2024) Southern Africa collection content curation intern Spring 2024
Jusreen Kaur (ASU Biomedical sciences undergrad 2023) SolarSPELL Health content curation team Spring 2024

Fall 2023
Adnan Turan (ASU MLFTC Educational Policy PhD student 2025) Kurdish and Arabic library content support Fall 2023
Amber Keener (ASU Geographic Information Systems undergrad 2023) Data Analysis intern Fall 2023
Ana Feinson (ASU Geography undergrad 2025) Wikipedia for Schools intern (Barrett) Fall 2023

Benjamin Lewanika (Kamuzu University of Health Sciences, Malawi, Library and Information Sciences Master's 2024) Health Library Metadata intern Fall 2023
Erin Burgard (ASU Environmental Engineering undergrad 2024) SolarSPELL Training Course intern Fall 2023
Haniyah Williams (Kalamazoo Valley College Graphic Design undergrad 2023) Graphic Design Intern Fall 2023
Jacob Underwood (ASU Sustainable Civil Engineering undergrad 2026) Wikipedia for Schools intern (Barrett) Fall 2023
Jessica Jannssen (ASU Edson CONHI DNP graduate student 2023) SolarSPELL Health Training Course intern Fall 2023
Jusreen Kaur (ASU Biomedical sciences undergrad 2023) SolarSPELL Health content curation team Fall 2023
Kash Khatri (ASU Computer Science undergrad 2026) Data Analysis intern Fall 2023
Madeline Pennell (ASU Sustainability undergrad 2026) Agricultural collection content curation intern fall 2023
Mason Calhoun (ASU Communications undergrad 2024) Social media and marketing intern Fall 2023
Nitesh Puri (ASU Mechanical Engineering undergrad 2023) Health Metadata Intern Fall 2023
Paye Kialain (ASU Masters in Management of Technology 2023) Quantativie Data Analysis Team Fall 2023
Rachael Scott (University of Arizona MLIS Master's 2023) MLIS Metadata Intern team Fall 2023
Rajvir Singh (ASU Film and Media undergrad 2025) Videography intern Fall 2023
Rawiya Ali (ASU Biomedical Sciences undergrad 2026) Arabic Library intern Fall 2023
Ren Dickson (ASU Biological Sciences undergrad 2024) SolarSPELL Health content curation team Fall 2023
Ryan Watling (ASU Masters in Global Technology and Development 2025) Qualitative data team Fall 2025
Souzan Brimo (ASU Biomedical Engineering undergrad 2024) Arabic library intern Fall 2023
Zoe Winick (ASU Innovation in Society undergrad 2026) Agriculture collection content curation intern Fall 2023
Brittany Baikie (University of Wisconsin-Madison PhD Cancer Biology 2029) Health library content curation team Fall 2023
Erin Burgess (ASU DNP 2023) Health library content curation team Fall 2023
Jainan Marble (ASU Microbiology undergrad 2025) Health library content curation team Fall 2023
Maria Gonzales (ASU DNP 2024) Health library content curation team Fall 2023
Melissa Vodicka (ASU DNP 2024) Health library content curation team Fall 2023
Angela Delaney (ASU Master of Nursing Education 2023) Health library content curation team Fall 2023
Ari Rosenthal (ASU Biomedical Sciences undergrad 2026) Health library content curation team Fall 2023
Chia-Yu Chang (ASU Masters of Learning Science 2024) Learning Design course creator Fall 2023
Erin Barreras (ASU DNP 2025) Health library content curation team Fall 2023
Hou Hui Fang (ASU Masters of Learning Science) Learning Design course creator Fall 2023

Summer 2023
Adelaide Randall (ASU Psychology undergrad 2024) Southern Africa collection content curation team Summer 2023
Amber Keener (ASU Geographic Information Systems undergrad 2023) Data Analysis intern Summer 2023
Atharva Gupta (ASU Computer Science undergrad 2024) Software Design intern Summer 2023
Jasmine Phillips (Florida State University Information Science Master's Student 2024) MLIS Metadata Intern Summer 2023

Lilyann (Lily) Martin (ASU Graphic Information Technology undergrad 2024) Graphic Design intern Summer 2023
Madyson Marlow (ASU W.P. Carey Business Marketing undergrad 2024) Communications Aide intern Summer 2023
Mason Calhoun (ASU Communications undergrad 2024) Communications Aide intern Summer 2023
Nicolas Burton (ASU Computer Science undergrad 2025) Machine Learning project intern Summer 2023
Niharika Verma (ASU Information Technology Master's 2024) Data Analysis intern Summer 2023
Nitesh Puri (ASU Mechanical Engineering undergrad 2023) Health Metadata Intern Summer 2023
Rachel Deitch (University of Texas School of Information Master's 2024) Health digital collection metadata MLIS team Summer 2023
Shefali Sinha (ASU Business Communications undergrad 2027) Communications and Marketing intern Summer 2023
Jainan Marble (ASU Microbiology undergrad 2025) content curation intern Summer 2023
Lorelai Hale (ASU Medical Studies intern 2026) health content curation intern Summer 2023
Rachael Scott (University of Arizona MLIS Master's 2023) MLIS Metadata Intern team Summer 2023
Sierra Planck (ASU Biological Sciences undergrad 2023) Metadata intern Summer 2023
Ren Dickson (ASU Biological Sciences undergrad 2024) SolarSPELL Health content curation team Summer 2023
Jusreen Kaur (ASU Biomedical sciences undergrad 2023) SolarSPELL Health content curation team Summer 2023

Spring 2023
Amy Charles (ASU Learning Design MLFTC Master's student 2023) Education Offline Training Course: Spring 2023
Aspen Carrol (ASU Global Health undergrad 2024) Health content curation team, Spring 2023
Audrey Nagle (ASU Sustainability undergrad 2023) Agriculture Collection Content Curation team Spring 2023
Ben Keller (ASU Global Technology & Development Master's student 2023) SolarSPELL documentary filmmaker Spring 2023
Cindy Bonilla-Cirocco (UofA MLIS student 2023) Digital Asset Management team Spring 2023
Danielle Prasad (ASU Sustainability undergrad 2023) Sustainability Content Curation team Spring 2023
Denise Birnbaum (ASU Mirabella Resident, volunteer) Library review volunteer Spring 2023
Edwin Rodriguez (ASU W.P. Carey Finance Undergrad 2023) Spanish Language Metadata Reviewer Spring 2023
Emily Smith (ASU Sustainability Undergrad 2023) Agriculture Collection Content Curation team Spring 2023
Ines Umurerwa (University of Rwanda Agriculture undergrad 2023) Rwandan agriculture content and metadata tagging team Spring 2023
Jean Marie Vianney Misago (University of Rwanda Agriculture undergrad 2023) Rwandan agriculture content and metadata tagging team Spring 2023
Kathleen Rafferty (ASU Sustainability undergrad 2023) Agriculture Collection Content Curation team Spring 2023
Maire Josee Iradukunda (University of Rwanda Agriculture undergrad 2022) Rwandan agriculture content and metadata tagging team Spring 2023
Meadow Cooper (ASU W.P. Carey Business Sustainability undergrad 2023) Agriculture Collection Content Curation team Spring 2023
Megan Shudde (ASU Learning Design MLFTC Master's student 2023) Education Offline Training Course: Spring 2023
Melissa Tovar (ASU Graphic Information Technology: User Experience undergrad 2025) Graphic Design Intern Spring 2023

Natassia Redden (ASU Learning Design MLFTC Master's student 2023) Education Offline Training Course: Spring 2023
Nora Khaled (ASU Psychology undergrad 2024) Arabic library intern Spring 2023
Quinn McKissock (University of Illinois MLIS student 2024) MLIS Intern Arabic Library Spring 2023
Samuel Roller (University of Washington MLIS student 2023) MLIS Intern Arabic Library Spring 2023
Sarina Asher (ASU Sustainability undergrad 2023) Sustainability content curation team Spring 2023
Sierra Planck (ASU Biological Sciences undergrad 2023) Metadata intern Spring 2023
Sofia Zimmerman (ASU Biological Sciences undergrad 2025) Health Content curation team Spring 2023
Valentine Uwimana (University of Rwanda Agriculture undergrad 2022) Rwandan agriculture content and metadata tagging team Spring 2023

Fall 2022
Sarina Asher (ASU Sustainability undergrad 2023) Barrett Honors Research Program, focused on organizing Southern Africa library: Fall 2022
Dani Prasad (ASU Sustainability undergrad 2023) Barrett Honors Research Program, focused on organizing Southern Africa library: Fall 2022
Sierra Planck (ASU Biological Sciences Undergrad 2023) Barrett Honors Research Program, focused on organizing Southern Africa library: Fall 2022
Emma Wymore (ASU Global Studies undergrad 2026) Barrett Honors Research Program, focused on content curation for French library: Fall 2022
Colin Braun (University of Rhode Island Master of Library Science 2022) PT Intern Content Curator for East Africa library: Fall 2022
Stephanie Durst (ASU Doctor of Nursing Practice student 2024) PT intern focused on French-language Health library: Fall 2022
Desiree Melvin (ASU Global Health MS 2022) PT intern focused on Health-specific Monitoring & Evaluation Plan and tools: Fall 2022
Christina Sturgeon (ASU Mechanical Engineering Undergrad 2025) Barrett Honors Research Fellow focused on Hardware Testing & Protocols: Fall 2022
Max Rosen (San Jose State University MLIS 2022) PT Intern focused on Digital Collections Specialist: Fall 2022
Janvi Siddhapura (ASU Computer Science undergrad 2024) PT Intern focused on Graphic Design: Fall 2022
Melissa Tovar (ASU GIT: User Experience undergrad 2024) PT Intern focused on Graphic Design: Fall 2022
Rehab Meckawy (ASU International Health Masters 2022) PT Intern focused on Arabic Translation, Fall 2022
Helena Silva Goldbaum (ASU Psychology undergrad 2025) Barrett Honors Research Program, focused on Special Needs/Special Education Content: Fall 2022
Nora Khaled (ASU Psychology undergrad 2025) Barrett Honors Research Program, focused on Arabic language content curation: Fall 2022

Summer 2022
Audrey Zelinka (ASU Psychology and Sociology undergrad 2024) Barrett Honors Research Program, focused on Health / Crisis Response team: Summer 2022
Alie Shbur (ASU GIS and Applied Computing undergrad 2023) PT intern focused on Web Development: Summer 2022
Allyson Huang (ASU Informatics undergrad 2025) PT intern focused on metadata: Summer 2022
Julie Lam (ASU Biomedical Sciences undergrad 2025) PT Barrett Honors Research Program Intern focused on Health / Crisis Response team: Summer 2022

Brooke Hesselfeldt (ASU Biological Sciences undergrad 2023) PT Barrett Honors Research Program Intern focused on Health / Crisis Response team: Summer 2022
Hong-Ting (Annie) Chen (ASU User Experience MS 2023) PT Intern focused on User Experience Summer 2022
Helena Silva Goldbaum (ASU Psychology undergrad 2025) Barrett Honors Research Program, focused on Special Needs/Special Education Content: Summer 2022
Nora Khaled (ASU Psychology undergrad 2025) Barrett Honors Research Program, focused on Arabic language content curation: Summer 2022
Janvi Siddhapura (ASU Computer Science undergrad 2024) PT Intern focused on Graphic Design: Summer 2022
Melissa Tovar (ASU GIT: User Experience undergrad 2024) PT Intern focused on Graphic Design: Summer 2022
Siddharth Mehta (ASU Computer Science MS 2023) PT Intern Focused on Web Development: Summer 2022
Joshua Lubin (ASU Computer Science undergrad 2024) PT Intern Focused on Web Development: Summer 2022
Atharva Gupta (ASU Computer Science undergrad 2025) PT Intern Focused on Web Development: Summer 2022

Spring 2022
Joe Nixon (ASU Film Studies undergrad) PT Videographer: Spring 2022
Saketh Pabolu (ASU Computer Science undergrad) PT intern focused on Raspberry Pi: Spring 2022
Malin Tan (ASU Computer Science undergrad) PT intern focused on web development: Spring 2022
Allyson Huang (ASU Informatics undergrad 2025) PT intern focused on metadata: Spring 2022
Michelle Zhao (ASU Business Data Analytics & SCM undergrad) PT intern focused on metadata: Spring 2022
Yifan Zhou (ASU Computer Science MS) PT intern focused on Web Development: Spring 2022
Katie Halmekangas (ASU Sustainability undergrad) PT intern focused on Sustainability Content Curation: Spring 2022
Priyanka Tadepalli (ASU Computer Science undergrad) PT intern focused on Web Development: Spring 2022
Mary Haddad (ASU Earth & Environmental Studies & Biological Sciences undergrad 2022) PT agriculture content curation intern: Spring 2022
Stanley Liu (ASU Computer Systems Engineering undergrad) PT intern focused on Metadata: Spring 2022
Hala Shaheen (ASU Global Technology & Development MS) PT intern focused on Marketing & Social Media: Spring 2022
Haniyah Williams (ASU Graphic Design BA 2024) PT Graphic Design Intern: Spring 2022
Daniel Lu (ASU Astrophysics BS 2022) PT Circuit Board Design Intern: Spring 2022
Keenan Carter (ASU Film Studies BA 2023) PT Videography Intern: Spring 2022
Sritharini Radhakrishnan (ASU Electrical Engineering BS 2023) PT Geospatial Analysis Intern: Spring 2022
Alex Cisneros (ASU History and Political Science undergrad) PT intern focused on Content Curation: Spring 2022
Chris Duthie (ASU French and Philosophy undergrad) PT intern focused on Content Curation in French: Spring 2022
Christine Otaluka (ASU Health Sciences undergrad) PT intern focused on Content Curation in French: Spring 2022
Mohamad Al Zein (ASU Engineering MS) PT intern focused on Content Curation in Arabic: Spring 2022

Marwa Abdou (ASU Health Informatics MS) PT intern focused on Content Curation in Arabic: Spring 2022
Mosab Abu Hammad (ASU Engineering MS) PT intern focused on Content Curation in Arabic: Spring 2022
Sarthak Argwal (ASU Computer Science undergrad) PT intern focused on IT: Spring 2022
Michelle Raney (ASU Doctor of Nursing Practice student) PT Intern focused on Content Curation for Health library: Spring 2022
Juniper Neff (ASU Math undergrad) PT intern focused on social media and communications: Spring 2022
Ceng Cui (ASU GIS MS) PT intern focused on GIS work for SolarSENSE project: Spring 2022

Fall 2021
Mary Haddad (ASU Earth & Environmental Studies & Biological Sciences undergrad 2022) PT agriculture content curation intern, Fall 2021
Chukwuzulum Nwizu (ASU Industrial Design Undergrad 2022) PT Industrial Design Intern, Fall 2021
David Yao (ASU Data Science Undergrad 2022) PT Metadata Intern, Fall 2021
Claudette Kinds (ASU Exchange Student from University of Groningen, NL, International Business Administration Bachelor's) PT Supply Chain Intern, Fall 2021
Aishwarya Prabha Ramakrishnan (ASU Computer Software Engineering MS 2022) PT User Experience Intern, Fall 2021
Madison Fletcher (ASU Sustainability BA 2022) PT Content Curation (Sustainability focus) Intern, Fall 2021
Haniyah Williams (ASU Graphic Design BA 2024) PT Graphic Design Intern, Fall 2021
Daniel Lu (ASU Astrophysics BS 2022) PT Circuit Board Design Intern, Fall 2021
Teresa Hernandez (ASU Technical Communication BA 2021) PT User Experience Intern, Fall 2021
Suzan Omar Elmajali (ASU Computer Science MS 2021) PT Usage Data Analysis Tool Software Intern, Fall 2021
Keenan Carter (ASU Film Studies BA 2023) PT Videography Intern, Fall 2021
Stephanie Duran (San Jose State University Masters of Library and Information Science 2023) PT MLIS Digital Collections Intern, Fall 2021
Rithikaa Madhavan (ASU Business Data Analytics BS 2022) PT Metadata Intern, Fall 2021
Lan Ling (ASU Interdisciplinary Studies BA 2021) PT Metadata Intern, Fall 2021
Stephen Paul Guertler (University of Arizona Masters of Library and Information Sciences MLIS 2022) PT Content Curation Intern, Fall 2021
Sue Ann Lau (San Jose State University Masters of Library and Information Sciences MLIS 2021) PT MLIS Digital Collections Intern, Fall 2021
Zain Jakwani (ASU Computer Science BS 2023) PT Web Developer Intern, Fall 2021
Ashley Reise (San Jose State University Masters of Library and Information Sciences MLIS 2021) PT MLIS Digital Collections Intern, Fall 2021
Sritharini Radhakrishnan (ASU Electrical Engineering BS 2023) PT Geospatial Analysis Intern, Fall 2021
Juan Garcia (San Jose State University Masters of Library and Information Sciences MLIS 2021) PT MLIS Digital Collections Intern, Fall 2021
Alexandra Justesen (ASU Sustainability BA 2022) PT Content Curation (Sustainability focus) Intern, Fall 2021
Jaydan Fleming (ASU Graphic Information Technology BA 2022) PT Web Development Intern, Fall 2021

Summer 2021
Mary Haddad (ASU Earth & Environmental Studies & Biological Sciences undergrad 2022) PT agriculture content curation intern Summer 2021
Eric Magoffin (ASU Software Engineering MS 2021) PT Software Solutions Intern Summer 2021

Lubna Alsaka (ASU Global Technology and Development MS 2021) PT Content Curation (Wikipedia for Schools focus) Summer 2021
Nebeyu Daniel Menkir (ASU Geographic Information Systems BS 2021) PT Content Curation Intern (Ethiopia specialization) Summer 2021
Stephanie Duran (San Jose State University Masters of Library and Information Science 2023) PT MLIS Digital Collections Intern, Summer 2021
Rithikaa Madhavan (ASU Business Data Analytics BS 2022) PT Metadata Intern, Summer 2021
Hyokyung Hwang (San Jose State University Masters of Library and Information Science 2023) PT MLIS Digital Collections Intern, Summer 2021
Daisha Bahadoor (University of Denver Masters of Library and Information Sciences 2022) PT MLIS Digital Collections Intern, Summer 2021
Keenan Carter (ASU Film Studies BA 2023) PT Videography Intern, Summer 2021
Kayla Pinson (North Carolina Central University Masters of Library & Information Sciences MS 2021) PT MLIS Digital Collections Intern, Summer 2021
Lauryn Armstrong (ASU Graphic Information Technology BA 2024) PT Graphic Design Intern, Summer 2021
Suzan Omar Elmajali (ASU Computer Science MS 2021) PT Usage Data Analysis Tool Software Intern, Summer 2021
Taliah Rodriquez (ASU Secondary Education BA 2022) PT Educational Content and Metadata Management, Summer 2021
Rishik Kolli (ASU Computer Science BS 2024) PT Metadata Intern, Summer 2021
Ashley Tse (ASU Biomedical Engineering undergrad 2023) PT Offline Training Course Creation Intern Summer 2021
Priya Borah (ASU Biomedical Engineering undergrad 2021) PT Offline Training Course Creation Intern Summer 2021
Grace Umerani Faustino (University of Rochester Public Health undergrad 2021) FT content curation intern Summer 2021
Amanda Rodriguez (ASU Global Technology & Development MS 2021) PT Agriculture content curation intern/fellow Summer 2021
Teresa Hernandez (ASU Technical Communication BA 2021) PT User Experience Intern, Summer 2021
Spandana Bhattacharya (ASU Computer Science MS 2022) PT Usage Data Analysis Tool Software Intern, Summer 2021
Pavithra Devi Rajkumar (ASU Information Tech MA 2023) PT back-end software developer: Content Curation Web App Intern, Summer 2021, Fall 2021
Daniel Lu (ASU Astrophysics BS 2022) PT Circuit Board Design Intern, Summer 2021, Fall 2021, Spring 2022
Melia Jean Baptiste (University of Denver Masters of Library & Information Science 2022) PT MLIS Digital Collections Intern, Summer 2021
Haniyah Williams (ASU Graphic Design BA 2024) PT Graphic Design Intern, Summer 2021
Kavya Venkatraman (ASU Biological Sciences BS 2023) PT content curation intern, Summer 2021
Rishabh Sanjay Kumar (ASU Computer Science MS 2022) PT Back End Software Development Intern, Summer 2021
Jonathan Zhao (ASU Computer Science BS 2024) PT Front End Software Development Intern, Summer 2021

Spring 2021
Amanda Rodriguez (ASU Global Technology & Development MS 2021) PT Agriculture content curation intern/fellow Spring 2021
Candice Holland (ASU Nonprofit Leadership and Management BA 2021) PT Content Curation Intern, Spring 2021

Blanca Garcia (ASU Applied Computing Undergrad 2021) PT Data Science Intern, Spring 2021
Frank Manjaly (ASU Global Technology and Development MS 2021) PT Wikipedia for Schools Intern, Spring 2021
Lubna Alsaka (ASU Global Technology and Development MS 2021) PT Wikipedia for Schools Intern, Spring 2021
Sneha Pujani (Thunderbird Masters of Global Affairs 2021) PT Wikipedia for Schools Intern, Spring 2021
Gabriella Martinez (ASU Digital Audience Strategy Master's 2022) PT Social Media Intern, Spring 2021
Meghan Dilworth (ASU Geography Undergrad 2022) PT Content Curation Intern, Spring 2021
Bhavikha Rathod (ASU Graphic Information Technology Undergrad 2022) PT Graphic Design Intern, Spring 2021
Camryn Lizik (ASU Public Health undergrad 2020) PT meta-data intern Spring 2021
Ninette Gonzalez (ASU Global Technology and Development MS 2022) PT Wikipedia for Schools Intern, Spring 2021
Alexandria Sweers (ASU Learning Design and Technology Master's 2021) PT Moodle Module Refinement Intern, Spring 2021
Jason Ormsby (ASU Computer Science undergrad 2021) PT intern computer science special projects Spring 2021
Samantha Cayo (San Jose State University Master's Library & Information Science 2021) PT meta-data specialist intern Spring 2021
Eleni Birhane (ASU Global Technology & Development MS 2021) PT content curation intern Spring 2021
Tu'ufuli Reupenny (ASU Interdisciplinary Studies undergrad 2020) PT metadata intern Spring 2021
Karime Arreguin (ASU Graphic Information Technology undergrad 2021) PT user interface/user experience intern Spring 2021
Kate Ross (Brandeis University International & Global Studies undergrad 2021) PT content curation intern Spring 2021
Mary Haddad (ASU Earth & Environmental Studies & Biological Sciences undergrad 2022) PT agriculture content curation intern Spring 2021
Nebeyu Daniel Menkir (ASU Geographic Information Systems BS 2021) PT Content Curation Intern (Ethiopia specialization) Spring 2021
Stephanie Duran (San Jose State University Masters of Library and Information Science 2023) PT MLIS Digital Collections Intern, Spring 2021
Rithikaa Madhavan (ASU Business Data Analytics BS 2022) PT Metadata Intern, Spring 2021
Hyokyung Hwang (San Jose State University Masters of Library and Information Science 2023) PT MLIS Digital Collections Intern, Spring 2021

Fall 2020
Amanda Rodriguez (ASU Global Technology & Development MS 2021) PT Agriculture content curation intern/fellow Fall 2020
Marybeth Bonner (ASU Sustainability & Supply Chain Management undergrad 2023) PT agriculture content curation intern Fall 2020
Mary Haddad (ASU Earth & Environmental Studies & Biological Sciences undergrad 2022) PT agriculture content curation intern Fall 2020
Samantha Sokol (ASU Electrical Engineering undergrad 2022) PT SolarSPELL testing intern Fall 2020
Karime Arreguin (ASU Graphic Information Technology undergrad 2021) PT user interface/user experience intern Fall 2020
Kate Ross (Brandeis University International & Global Studies undergrad 2021) PT content curation intern Fall 2020
Tu'ufuli Reupenny (ASU Interdisciplinary Studies undergrad 2020) PT metadata intern Fall 2020

Devin Robbins (ASU Sustainability undergrad 2021) PT content curation intern Fall 2020
Eleni Birhane (ASU Global Technology & Development MS 2021) PT content curation intern Fall 2020
Kara Gardner (ASU Biology & Society undergrad 2021) PT content curation intern Fall 2020
Wen Wendt (ASU Political Science undergrad 2021) PT content curation intern Fall 2020
Mia Czarnecki (ASU Sustainability & Spanish undergrad 2021) PT content curation intern Fall 2020
Brittany Carter (ASU Web Development undergrad 2021) PT User Interface/User Experience intern Fall 2020
Camryn Lizik (ASU Public Health undergrad 2020) PT meta-data intern Fall 2020
Samantha Cayo (San Jose State University Master's Library & Information Science 2021) PT meta-data specialist intern Fall 2020
Zane Encinas (ASU Philosophy, English, Sustainability undergrad 2022) PT intern content curation Fall 2020
Jason Ormsby (ASU Computer Science undergrad 2021) PT intern computer science special projects Fall 2020

Summer 2020
Ashley Tse (ASU Biomedical Engineering undergrad 2023) FT content curation intern Summer 2020, PT Offline Training Course Creation Intern Summer 2021
Tyler Miller (ASU Art History & American Indian Studies undergrad 2021) FT content curation intern Summer 2020
Camryn Lizik (ASU Public Health undergrad 2020) PT meta-data intern Summer 2020
Karla Cosio (ASU Electrical Engineering undergrad 2022) FT content curation intern Summer 2020
Priya Borah (ASU Biomedical Engineering undergrad 2021) FT content curation intern Summer 2020
Grace Umerani Faustino (University of Rochester Public Health undergrad 2021) FT content curation intern Summer 2020
Winny Scopas (Abilene Christian University undergrad 2023) FT content curation intern Summer 2020
Gilgal Ansah (ASU Biomedical Engineering Master's 2021) FT content curation intern Summer 2020
Camden Paillot (ASU Sustainability undergrad 2020) FT content curation intern Summer 2020
Colin Marvin (ASU Geography undergrad 2021) FT content curation intern Summer 2020
Claudia Fragoso (ASU Biomedical Engineering Master's 2021) FT content curation intern Summer 2020
Shannon Quigley (ASU Geography undergrad 2021) FT content curation intern Summer 2020

Spring 2020
Camryn Lizik (ASU Public Health undergrad 2020) PT meta-data intern Spring 2020, Summer 2020, Fall 2020, Spring 2021
Melissa Kim (ASU undergrad) PT meta-data intern Spring 2020
Samantha Whitman (ASU Human & Social Dimensions of Science & Technology PhD 2021) Grad advisor to undergraduate teams working on SolarSPELL Health library Spring 2020
Madisyn Goodballet (ASU undergrad) FT metadata fellow Spring 2020

Fall 2019
Samantha Whitman (ASU Human & Social Dimensions of Science & Technology PhD 2021) Grad advisor to undergraduate teams working on SolarSPELL Health library Fall 2019
Matthew Jurenka (ASU Computer Science undergrad 2023) PT web development intern Fall 2019
Melissa Kim (ASU undergrad) PT meta-data intern Fall 2019
Alexandra Pippett (ASU undergrad) FT teacher lesson plan development intern Spring 2019- PT Fall 2019
Madisyn Goodballet (ASU undergrad) FT metadata fellow Fall 2010

Summer 2019

Alma Varon (ASU undergrad) FT content curation intern: Summer 2019
Hailey Campbell (ASU undergrad) FT content curation intern: Summer 2019
Vanessa Villalobos (ASU undergrad) FT content curation intern: Summer 2019
Justyn Zeider (ASU undergrad) FT content curation intern: Summer 2019
Bailey De La Torre (ASU Nonprofit Leadership & Management undergrad 2019) FT Marketing & Social Media intern Summer 2019
Brooke Nelson (ASU Future of Innovation in Society undergrad) PT content curation and special projects intern Summer 2019
Alexandra Pippett (ASU undergrad) FT teacher lesson plan development intern Spring 2019- PT Fall 2019
Madisyn Goodballet (ASU undergrad) FT metadata fellow Summer 2019

Spring 2019
Bailey De La Torre (ASU Nonprofit Leadership & Management undergrad 2019) FT Marketing & Social Media intern Spring 2019
Erika Karner (ASU Nonprofit Leadership & Management undergrad 2019) FT Fundraising intern Spring 2019
Alexandra Pippett (ASU undergrad) FT teacher lesson plan development intern Spring 2019- PT Fall 2019

Fall 2018
Brooke Nelson (ASU Future of Innovation in Society undergrad) PT content curation and special projects intern Fall 2018

Summer 2018
Ryan Kirmis (ASU Engineering undergrad 2019) FT software intern Summer 2018
Kusum Ijari (ASU Computer Science Master's 2019) FT user experience/user interface intern Summer 2018
Ruth Oliver (ASU undergrad 2020) FT content curation intern Summer 2018
Ricardo Ornelas-Montes (ASU undergrad 2019) FT content curation intern Summer 2018
Jeremy Seidner (ASU undergrad 2019) FT content curation intern Summer 2018
Maddie Arnold (ASU Future of Innovation in Society & Journalism undergrad 2020) FT content curation intern Summer 2018
Adriana Castillo (ASU Political Science undergrad 2020) FT content curation intern Summer 2018
Victor Ruiz-Aviles (ASU grad student 2020) FT content curation intern Summer 2018
Vianca Rodriguez (ASU grad student 2020) FT content curation intern Summer 2018

Spring 2018
Chloe Scott (ASU Nonprofit Leadership & Management undergrad 2018) FT SolarSPELL undergrad Spring 2018

SolarSPELL Student Workers (Paid positions)
Noha Labani (ASU English Writing, Rhetorics & Literacies PhD) Graduate Service Assistant working on Arabic-language Offline Training Course: Fall 2022-Spring 2024
Pavithra Devi Rajkumar (ASU Information Tech MA 2023) software developer: Spring 2022-Summer 2022
Matthew Jurenka (ASU Computer Science undergrad 2023) software developer: Fall 2019 – Fall 2021
Lee (Elizabeth) Chiffelle (ASU Astrophysics undergrad 2022) special projects: Nov 2019 – May 2021
Kaitlyn Matthews (ASU Cronkite School Journalism undergrad 2022) marketing and social media: Fall 2019

Phuc Tran (ASU HIDA film studies undergrad 2020) student videographer: Fall 2019-Fall 2021
Michael Santos (ASU HIDA film studies undergrad 2020) student videographer: Fall 2019
Vipanchi Chacham (ASU Software Eng. MS 2020) web designer: Fall 2019
Tharun Kumar (ASU Computer Science MS 2020) meta-data specialist: June 2019-Dec 2019
Jude Schroder (ASU PolSci undergrad 2020) student videographer: Apr 2019-May 2020
Bailey de la Torre (ASU undergrad 2019) full time grant and donor relations: May – Aug 2019
Sai Manideep Cheekatimalla (ASU MS grad 2019) meta-data specialist: Jan 2019 – May 2019
Vignesh Mahesh (ASU Electrical Engineering grad 2020) charge controller and battery redesign: Spring 2019-Spring 2020

STUDENT MENTORING / ADVISING

Arizona State University Student Advising

Innovation in Global Development (IGD) PhD Program, School for the Future of Innovation in Society
Dissertation Committee Chair
Emily Paget, 2025-present

Dissertation Committee Member
Rebecca Stuch, 2026-present

Human and Social Dimensions (HSD) of Science and Technology PhD Program (SFIS)
Dissertation Committee Chair
Martin Perez Commisso, Fall 2017 – Summer 2020

Doctoral Nursing Program (DNP), Edson College of Nursing and Health Solutions
Dissertation Committee Member
Alexa Perry, 2025-present
Emily Reichman, 2026-present
Joshua Fish, 2026-present
Ashley Wooden, 2026-present

Global Technology for Development Master's Applied Project/Capstone Advisor/Chair (SFIS)
2025: Christian Armanti: Exploring the Use of Music and Multimedia Tools to Enhance Information Literacy in Offline Communities
2025: Chad Gerber: Emergency Communication Challenges in Rural and Tribal Arizona
2023: Emily Paget: Where Digital Meets Development: Creating Information Literacy Tutorials for the SolarSPELL Offline Digital Library
2023: Allison Hoops: Sunflower Kids: A Documentary about the use and impact of the SolarSPELL digital libraries initiative in Lesotho and Malawi. (Collaborative Applied Project with Benjamin Keller)
2023: Libbie Farrell: Offline Educational Approaches to Build Digital Literacy and Minimize Learning Disruptions: The Impact of SolarSPELL Digital Libraries During the COVID-19 Pandemic
2023: Benjamin Keller: Sunflower Kids: A Documentary about the use and impact of the SolarSPELL digital libraries initiative in Lesotho and Malawi. (Collaborative Applied Project with Benjamin Keller)
2023: Elie Al Kassouf (2nd reader)
2022: Rashad Al-Khmisy Building An Offline-Customized Wikipedia for Developing Information Literacy Skills in Low-Resource Schools Using Open-Source Tools

2021: Lubna Alsaka: Exploring Arabic Open Educational Resources (OER) Initiatives and their Openness for Offline Usage (Collaborative Applied Project with Osamah Naji) Co-Advised with Dr. Mary Jane Parmentier
2021: Osamah Naji: Exploring Arabic Open Educational Resources (OER) Initiatives and their Openness for Offline Usage (Collaborative Applied Project with Lubna Alsaka) Co-Advised with Dr. Mary Jane Parmentier
2020-2021: Eleni Birhane: SolarSPELL Training: Importance of Providing Appropriate and Localized Information to Users
2020-2021: Johanna Gilbert Vazzana: The Role of Cybersecurity in International Development
2019-2020: Zeinab Serhan: SolarSPELL Usability: Studying the User Experience to inform Future Improvements
2018: Kristen Linzy: Reporting and Standardizing In-Field Impact Assessment of the SolarSPELL Digital Library
2018: Lyndsay Booth: Examining the role of information and communication technologies (ICTs) vis-à-vis beneficiary participation in development projects
2018: Mike Stewart (2nd reader): Automation and the Impact Upon Development

Master's Degree Chair (outside GTD/SFIS)
2026: Swadheen Bhowal: Offline solar sensor to measure soil health for rural, small shareholder farmers. MS in Clean Energy Systems (ASU Polytechnic)

Master's Degree Committee Member
2023: Paye Kialain: Using Predictive Data to Understand User Behavior in a Business and Non-Profit Setting. MS in Management of Technology
2021: Courtney Raymond: Improving Maternal Health Outcomes in Developing and Underprivileged Countries through Women's Empowerment and Increased Spousal Involvement. MS in Biology.

Global Technology for Development: Research Assistant
Jared Sidman, Research Assistant, Fall 2019 – Spring 2020; Fall 2020 – Spring 2021

Barrett Honors Thesis Advisor
2026: Shaela Patel: Makin' Moo-Vies: Curating and Creating Offline Digital Library Video Content to Guide Rural Food Animal Veterinary Care Globally
2025: Lorelai Hale: The Importance of First Aid Education in Rural Communities
2020: Courtney Raymond: Bringing Evidence Based Practice to Developing and Underprivileged Countries: A Focus on Women's Health and Midwifery
2019-2020: Emily Sherman: Distribution of Entrepreneurial Education to Underdeveloped Communities to Foster Economic Growth
2018-2020: Madison Arnold: A Framework for Designing Primary Education Technology for Resource Constrained Regions [Maddie was named SFIS Fall 2020 Outstanding Undergraduate Student]
2017-2018: Bethany Thielen: Redesigning the SolarSPELL content library website, incorporating user experience design principles
2017: Amanda Taylor: Putting a Ding in the Universe: Art Curriculum Development for the SolarSPELL

Honors (Non-Thesis) Research Projects/Contracts
Spring 2021: Karla Cosio; Ashley Tse
Fall 2020: Karla Cosio; Ashley Tse
Fall 2019, Spring 2020: Trevor Marske
Fall 2016: Arizona Baskin, Cyntha Weiringa

California Polytechnic State University Advising

Senior Projects

2016: Ginger Jacobs: Incorporating context into Project-Based, Interdisciplinary, International Service Learning Courses

2015: Kevin Schettler: The societal effects of copyright protection for distribution, publishing, and profit

Liberal Arts and Engineering Studies (LAES) Projects

2016: Christopher Carroux & Bhaumik Kotecha: Improving the Back-end and User Interface on the SolarSPELL website

2015: Kevin Gong: Evaluating in-field feedback on SolarSPELL

Illinois Institute of Technology Advising

Summer Research Interns

2014: Cara Karter: Climate Change in the Pacific: Creation and Implementation of a Needs Assessment and Baseline Survey in Chuuk, FSM

2012: Simon Brauer: Documenting and assessing the IIT Empowering Haiti project and discussing the implications for Information and Communication Technologies for Development (ICT4D).

External Advising

Stockholm University

PhD Examinations & Dissertation Committee member: Elly Gamukama. *Analytical Modeling of Internet Provision and Usage in Context of Development through a Utility Based Framework.* Stockholm University Department of Computer Science. 2015

ADDITIONAL EDUCATION, EXPERIENCE & PROFESSIONAL DEVELOPMENT

ASU Humanities Lab: Cultivating Civic Virtue through Action (CCVA) Community of Practice. Along with other Humanities Lab faculty, participated in a semester-long bi-weekly convenings/spaces of reflection and action where faculty shared tools, resources, and strategies aimed at integrating Principled Innovation and Civic Virtues into their Humanities Lab courses. Sp 2025

Moonshot Cohort at ASU: The Moonshot Cohort positions teams of ASU faculty, staff, and their community partners to compete for and receive philanthropic moonshot funding to advance their charter-driven work. SolarSPELL competitively selected as one of 10 teams to meet monthly over two semesters. Experience culminates in "Demo Day" during which participants present their ideas in front of program officers from philanthropic foundations. 2024-2025

Lecturer at Estonia Business School 4th International Summer School on Digitalization and Sustainability. Led workshop on Digitalization Challenges in Developing Countries and on SolarSPELL. Also served on Assessment Committee for Team Presentations of Futures Scenarios Summer 2024

Arizona State University, Knowledge Enterprise in Washington DC Leadership Forum, KE in DC: Goal of program to lend shared experiences across cohort that cultivates meaningful relationships working with professionals in the Washington DC area, with an eye to enabling expansion of scholars' knowledge enterprise. 2021-2022

Arizona State University, Leadership Academy (Peer Leadership Academy Cohort 5) 2017-2018

Fordham University, Advanced Certificate in Emerging Markets and Political Risk Analysis 2002

Venice International University (Italy), Graduate Study Program in Economics and Finance 2001

Universiteit van Amsterdam, *Staatsexamen*: Dutch language diploma (grants permission to study at the University level in Dutch in The Netherlands) 2000

United Nations, Geneva, Graduate Study Programme (30 students are admitted each summer) 2000

Université de Lille-Charles de Gaulle (France), *Diplôme D'Etudes Françaises* (*Deuxième Degré*): French Language Diploma, Second Level (grants permission to study at the University level in French) 1998

Université de Nice-Sophia Antipolis (France), *Diplôme D'Etudes Françaises* (*Premier Degré*): French Language Diploma, First Level 1997

House of Commons, London, Internship with MP Teresa Gorman 1995

PROFESSIONAL SERVICE

Board Member, Swedish Program for ICT in Developing Regions (SPIDER), funded by the Swedish International Development Agency, hosted at Stockholm University 2010-present

Faculty Advisory Committee, College of Global Futures, ASU 2024-2025, 2025-2026

Director, SURF (SFIS Undergraduate Research Fellows) Program, School for the Future of Innovation in Society 2025-2026

Personnel Committee, College of Global Futures, ASU 2021-2022, 2022-2023

Social Sciences Dean Search Committee (External Member), The College of Liberal Arts and Sciences (The College), ASU 2022

Global Technology & Development Committee (Master's Degree level) 2021-2022, 2022-2023
Coverdell Fellow Committee 2020, 2021, 2023

Walton Sustainability Solutions Chair Search Committee, Global Futures Lab, ASU 2021

Faculty Advisor, Engineering World Health student chapter, ASU 2020-2021

Faculty Advisor, SolarSPELL student club, ASU 2017-2019

SFIS Undergraduate Curriculum Committee, ASU 2016-present

SFIS Innovation in Global Development PhD Planning Committee, ASU 2017-2018

University Faculty Council Committee Member: Illinois Institute of Technology 2012-2014

Associate Chair (Interim), Department of Social Sciences, Illinois Institute of Technology 2011-2012

Curricular Development Committee, Lewis College at IIT: Develop curriculum and plan for new Undergraduate BS Degrees: Technology and Economic Development, Economic Policy 2012-2013

Undergraduate Studies Committee Member: Illinois Institute of Technology 2009-2011

Faculty Co-Advisor, Engineers Without Borders (EWB), Illinois Institute of Technology 2010-2014
Faculty Co-Advisor, Engineers for a Sustainable World (ESW), IIT 2012-2014
Fulbright Campus Interview and Evaluation Committee, IIT 2012-2014
Academic Honesty Committee, Social Sciences, IIT 2014

Secretary/Treasurer of Science, Technology, and Policy (STEP) Section, American Political Science Association 2011-2014

Executive Board Member, Information Technology & Politics Section (ITP), American Political Science Association 2010-2014

Executive Board Member, International Communication Section (ICOMM), International Studies Association 2009-2011

Journal Reviewer:

Journal of Political Science Education (2020-2022)
Information Technology for Development (2009-present)
Telecommunications Policy (2016-present)
Journal of Engineering Education (2019, 2023)
Journal of Engineering Studies (2017)
Journal of Ecotourism (2017)
Information Technologies and International Development (2004-2017)
Journal of Information Technology and Politics (2011)
Business and Politics (2011)
Information Systems Management (2010)
Manuscript Reviewer for Routledge (2010)
Review of Policy Research (2013)
Journal of Communication (2011)
Global Environmental Politics (2013)
International Journal of Electronic Business (2010)
Journal of Business Systems, Governance & Ethics (2008)

Conference Paper Reviewer:
IEEE Global Humanitarian Technology Conference (2026)
Pacific Telecommunications Council Annual Conference (2008-2017)
Information Communication Technology and Management (ICTM) (2012)
International Federation for Information Processing Working Group 9.4: Social Implications of Computers in Developing Countries (2008-2010, 2018)
Hawaiian International Conference on System Sciences (HICSS) (2008)
Australasian Conference on Information Systems (2007)
Los Angeles Global Mobility Roundtable (2007)

Conference Planner, Conference Proceedings Editor:
Los Angeles Global Mobility Roundtable, 2007

Conference/Program Committee Member:
Global Mobility Roundtable, Cairo, Egypt, 2009
Australasian Conference on Information Systems, Christchurch, New Zealand, 2008
Information Communication Technology and Management, Wroclaw, Poland, 2012

Senior Program Committee Member/Referee:
ICTD 2015 (Information & Communication Technologies and Development)
ICTD 2016

Grant Reviewer:
National Geographic Education Grants Reviewer, 2026
BRAC Institute of Governance and Development WEE-DiFine Challenge, 2022
Swiss National Science Foundation SNSF, 2019
SSHRC Social Sciences and Humanities Research Council of Canada, 2016
University of Gothenburg Centres for Global Social Challenges (UGOT Challenges), 2015
Volkswagen Foundation African Initiative: Knowledge for Tomorrow: Cooperative Research Projects in Sub-Saharan Africa, 2014

PROFESSIONAL ASSOCIATION MEMBERSHIPS

AAAS Member	2026-present
IEEE Senior Member	2019-present
IEEE Member	2009-2019
IEEE Society on the Social Implications of Technology	2016-present
Internet Society (ISOC)	2009-present
Pacific Telecommunications Council (PTC)	2010-2017
Academy of Management	2007-2009
American Political Science Association (APSA)	2008-2014
International Studies Association (ISA)	2006-2014
Society for the Social Studies of Science (4S)	2015-2016

LANGUAGES/OTHER TRAINING

English (primary language), French (proficient), Dutch (proficient), Italian (intermediate)
Statistical Software: SPSS

TEACHING & RESEARCH INTERESTS

Information and Communications Technology (ICT); International Development; ICT4D; Experiential Learning; Innovation and Entrepreneurship; Team-Based, Project-Based Learning; Quality of Life; Public Policy; Natural Resources / Environment; Renewable Energy/Solar Energy; Public-Private Partnerships; Technology in Education; Telecommunications; International Relations; International Political Economy

DIGITAL DOCUMENTATION OF PROJECTS AND RELATED WORK

SolarSPELL Solar-powered offline digital library and information literacy initiative website: http://solarspell.org/
Example of one SolarSPELL library collection (the Pacific Islands Education collection) can be found at: http://pacificschoolserver.org/

TED: Ideas worth Spreading: Technology for Development: No Shortcuts. TEDxIIT talk by Laura Hosman, March 22, 2011. Available at: http://www.youtube.com/watch?v=FKTxUA0bCl0

MEDIA COVERAGE & RELATED PUBLIC COMMUNICATIONS

ASU News: Two ASU faculty members honored for charter-driven impact. Daniel Frank and Laura Hosman have been named ASU Charter Professors. Feb 17, 2026. Available at: https://news.asu.edu/b/20260217-2-asu-faculty-members-honored-charterdriven-impact

Forbes: The Edison Awards are Announcing Their 2026 Finalists and Showing Where Innovation is Headed Next. Jan 20, 2026. Available at: https://www.forbes.com/sites/afdhelaziz/2026/01/20/the-edison-awards-are-announcing-their-2026-finalists-and-showing-where-innovation-is-headed-next/

ASU News: ASU employees earn recognition for their work on real-world solutions. SolarSPELL, GlobalResolve among projects to earn 2025 President's Awards. Dec 12, 2025. Available at: https://news.asu.edu/20251212-university-news-asu-employees-earn-recognition-their-work-realworld-solutions

QS Quacquarelli Symonds: QS Reimagine Education Award Winners 2025. December 2025. Available at: https://www.qs.com/insights/reimagine-education-award-winners-2025

QS Insights Magazine: Innovating from the Edges. December 2025. Available at: https://magazine.qs.com/qs-insights-magazine-36/innovating-from-the-edges

ABC15 Arizona: Arizona State University's SolarSPELL Initiative recognized as one of TIME's best inventions of 2025. October 27, 2025. Available at: https://www.abc15.com/weather/impact-earth/arizona-state-universitys-solarspell-initiative-recognized-as-one-of-times-best-inventions-of-2025

KTAR News: ASU's worldwide educational resource device named among TIME's best inventions of 2025. October 24, 2025. Available at https://ktar.com/arizona-education/asus-device-best-inventions/5765009/

KJZZ: This library device created by ASU professors, students named one of TIME's 2025 Best Inventions. October 16, 2025. Available at: https://www.kjzz.org/science/2025-10-16/this-library-device-created-by-asu-professors-students-named-one-of-times-2025-best-inventions

Doing Well News: How stress affects the way we understand health information. October 14, 2025. Available at: https://doingwellnews.substack.com/p/health-information-technology-accessibility

ASU News: ASU SolarSPELL Initiative named a TIME "best invention." October 9, 2025. Available at: https://news.asu.edu/20251009-local-national-and-global-affairs-asu-solarspell-initiative-named-time-best-invention

TIME: The Best Inventions of 2025: SolarSPELL. October 9, 2025. Available at: https://time.com/collections/best-inventions-2025/7318502/solarspell/

The State Press: SolarSPELL brings solar-powered libraries to first responders. October 2, 2025. Available at: https://www.statepress.com/article/2025/10/solarspell-crisis-tech-2025

Kenya News Agency: Kenyans to Benefit from solar-Powered Portable Digital Library. August 4, 2025. Available at: https://www.kenyanews.go.ke/kenyans-to-benefit-from-solar-powered-portable-digital-library/

The Progress Network: What Could Go Right? Podcast: Education where the internet can't reach. July 2025. Available at: https://theprogressnetwork.org/podcast/education-where-the-internet-cant-reach/

AZ Family 3TV/CBS 5: Arizona State University Initiative working to bring education to every part of the world. July 22, 2025. Available at: https://www.azfamily.com/2025/07/23/arizona-state-university-initiative-working-bring-education-every-part-world/

The State Press: Offline AI tool makes education accessible to areas without internet. June 24, 2025. Available at: https://www.statepress.com/article/2025/06/scitech-edge-ai

Daily Independent: $1.5M in literacy grants target Arizona education gaps: A multifaceted approach to bridging educational gaps. June 14, 2025. Available at: https://www.yourvalley.net/stories/arizonas-literacy-landscape,590783

ASU News: ASU Outstanding Graduate's path from Peace Corps to global development. May 5, 2025. Available at: https://news.asu.edu/20250505-sun-devil-community-asu-outstanding-graduates-path-peace-corps-global-development

Axios Phoenix: A laptop-size solar powered library designed by ASU researchers to expand education access in developing countries is now helping Phoenix residents. May 1, 2025. Available at: https://www.axios.com/local/phoenix/2025/05/01/asu-solarspell-libraries-global-impact

ASU News: SolarSPELL wins 'best in show' award at South by Southwest. March 18, 2025. Available at: https://news.asu.edu/20250318-sun-devil-community-solarspell-wins-best-show-award-south-southwest

South by Southwest (SXSW): 2025 SXSW Innovation Awards winners announced. March 11, 2025. Available at: https://www.sxsw.com/interactive/2025/2025-sxsw-innovation-awards-winners-announced/

ASU News: How ASU research is helping first responders. March 11, 2025. Available at: https://news.asu.edu/20250311-local-national-and-global-affairs-how-asu-research-helping-first-responders

South by Southwest (SXSW): 2025 SXSW Innovation Awards finalists announced. January 23, 2025. Available at: https://www.sxsw.com/interactive/2025/2025-sxsw-innovation-awards-finalists-announced/

ASU News: ASU-developed SolarSPELL libraries deployed to help communities in Arizona. Oct 9, 2024. Available at: https://news.asu.edu/20241008-science-and-technology-asudeveloped-solarspell-libraries-deployed-help-communities-arizona

ICT Works: We must bring digital literacy to remote communities. Sep 25, 2024. Available at: https://www.ictworks.org/we-must-bring-digital-literacy-to-remote-communities/

Raspberry Pi News: Off-grid, offline digital libraries on Raspberry Pi 3. May 15, 2025. Available at: https://www.raspberrypi.com/news/off-grid-offline-digital-libraries-on-raspberry-pi-3/

ASU News: ASU nursing graduate determined to be a voice for the voiceless. Apr 22, 2024. Available at: https://news.asu.edu/20240422-sun-devil-community-asu-nursing-graduate-determined-be-voice-voiceless

Raspberry Pi News: SolarSPELL off-grid wireless hotspots. Dec 12, 2023. Available at: https://www.raspberrypi.com/news/solarspell-off-grid-wireless-hotspots/

The Homeless Romantic Podcast: Laura Hosman, Ph.D.: Making the World Better with Technology. May 22, 2023. Available at: https://medium.com/@hrnews1/laura-hosman-ph-d-making-the-world-better-with-technology-international-development-145-hr-f81c5ab9cedb

ASU News: Solar-powered libraries help Syrian communities rebuild from war. April 21, 2023. Available at https://news.asu.edu/20230421-global-engagement-solarpowered-libraries-help-syrian-communities-rebuild-war

ASU News: ASU nursing student changing lives across the globe. April 21, 2023. Available at https://news.asu.edu/20230421-asu-nursing-student-changing-lives-across-globe

The State Press: Student-made documentary highlights importance of worldwide literacy. April 13, 2023. Available at https://www.statepress.com/article/2023/04/solar-power-asu-documentary-solarspell

ASU News: ASU's SolarSPELL digital libraries help teachers in Ethiopian refugee camps. July 21, 2022. Available at: https://news.asu.edu/20220712-global-engagement-asus-solarspell-digital-libraries-help-teachers-ethiopian-refugee-camps

ASU News: Volunteers help SolarSPELL get back in action. April 6, 2021. Available at: https://news.asu.edu/20210406-sun-devil-life-volunteers-help-solarspell-get-back-action

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